

			E				
*	time	species	#	dir.	het.	remarks	loc
	0945					entrance Pearl Harbor	
	0946	Gollen Plover	1			ON SAND bARS AT ENTRANCE	
-	SHE SHE SHE SHE	Ruddy Turnstone	6		opport to	to Pearl Hambor	
FF	1005	Noddy Term	40			flock feeding I Noddy rested on surface	
		Brown Booky		G		immature for a few seconds	
		Wedge-tailed		<i>J</i> ,			
		Streamonter	5				
	1027	Wedge tailed Streamwater	1	W			
	1032	White-tailed Tropicbird	,	E			
	1033	1					
	1033	Wedge-tailed Streamwater	1	W			
	1036	Bird sp?	/	5'			
	1037	Noddy Tern	,	W			
		Wedge-tailed	/				
	1046	Shearwater	1	5			
	1047	WedgetAiled					
		Streamater	1	5			
	1048	Bulwer's Petrel	1	E			
÷	1049	Wedge-tailed Streamysten	1	W			
		Wedgestailed					
		Streamwater	1	W			
	1053	Wedge-Tailed					
		Streamunten	1	N			
	1054	Wedgetailed Streamater	,	1/14/			
		ryenrumer	/	/4 74			
	1058	Wedge-tailed Streamwater	1	SE			
		3/1EATWATES	/				
	1059	Wedge-tailed SHEANWATER	1	CI ES			
	1106	Great Frigatebina	1	SE	250'		
	1015	Wedge-tailed Streamwater	1.	NE			
	1122	Wedge-tailed Streamwater	1	NE			
	1122	Red-footed		1	1		
		Booby	/	/\			

time	species	E	dir.	het.	remarks	loc.
	Wedge-Tailed Streamwater		NE			
1154	Wedge-toiled SHEARWATER	/	N			
1156	RED FOOTED BOODIE	l			SITTING ON WATER	
1212	Wedge-tailed Shearwater	1	New			
	WEDGETAILED SHEPRWATER			Low		
1250	WEDGETAILED SHEAR WATER	,	Nhr	Low	- WEDGETAILS Flying WITH TIERODROMA-like AND SEAS FAIRLY HIGH -WIND FROM NE.	
1252	COMMON NODDY TERN)	H	Low	HIGH -WIND FROM NE.	Thing Topp
1254	WEDGETAILED SHEARWATER	ı	NW	Low		
1255	COMMON NODDY	3	\prec	Low		
1320	COMMON NODDY	ſ	N	Low		
1323	COMMON NODDY	1	~	Low		
1358	SHEARWATER - TETREL	/	5E	Low		
1400	COOK - BONIN IS. TYPE PETRE	.)	G	Low		
1402	WHITE-TAILED TROPICBIRD	1	NE	1004	Feeding - did not go below SURFACE indive	
1104	SOOTY -SHERR- WATER	2	5-5E	TO 40'		
1410	11 11	2	5	11		
1415	11 11	4	5	"		
1422	11 11	2	5	T030'		
1424	// //		5	TO50		
1427	16 11	7	5	(1		
1428	11 11)	5	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		

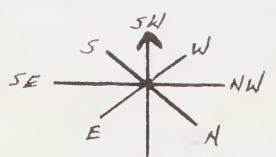
		E	E	13	h - 4-		100
	time	species	-	alr.	ngt.	remarks	loc.
	1433	Scotg Sheamak		7	low-50+		
	1444	II II	10		11 10		
		Scoty Shearwater		SE	low-50+		
	14/54	11 n	10		n 11 -	- avoiding ship	
	1456	// //	1	15	et 1,		
	1459	Cooks or Boshis Petul	/	515	low	appeared klove Itiel black border to me der ming	
	1502	Soo by Shearwater			lw-50+	although back looked very grey. Ag.	
	1505		2	nn	low		
	1513	Soot Sheam aler	2	5	Par-5-0+		
	1514	Shear aleftelel Sooty Shear a ter	1	######################################	low		
	1517	11 11	1		Par - 50+		
	1519	11 11	1	5	11 11		
	1522	Weeler tail Shearwater		E	low		
	1326	white-foil Tropicail	/	on 120			
	1527	Scoty Shear ater	30	5	lov-50+1		
	1530	Scoty ? Shear oter	1	7	// -/		
	15-3.0	? (1	2	5			
		(Bonin de Petrel)	1.	5	1. 1.		
		(P. hypoleuca)	1	NW	low	dule bod & contract between vecl + book, boal	
	1534	Wedge-toul ? Shearwater	1	/	0	bleck bonds under wings pfg.	
	1535	Scoty Sheam aten		E	low		
	153 9	Sheawater		S	loa-50+		
	1540	weelge-fail Skew oter	3	N	la		
7/ock.	1, -	Bonin or Godo Petrel		0	low		
	1543	Scoty Sheamater	1	5	loen-5 Up	vot activel, feeding	
	1544	weeks - til Means aten	,.		low		
	1645	Pluodiano		E			
	1946	Soot Sheamater	1	.5	Con		
	1.	Pteroclion on	-		Pare Sor		
	15	7 rein	2	NUE	250-3001		
	1955	Sooty? Sheamater	2	5	Con-500!		
	1956	Sorty Shewater	1	5			
	1457	11 11	1	5			
	1857	(1)	1	5			
	1603	17-10-19	(5			
		Conmon wood fern	5	(2)		Zoot feeding	
	1603	Wedge-toil Sheawaly Scoty Shear ater	2	9			
		y J. Jan all					



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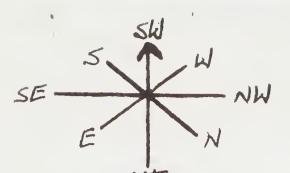
time	species	=	dir.	hgt.	remarks	loc.
	Sooty Shewole			low -50'+		
	Plerodiona	1	55E			
1610	wedge toil	1	NNW	low		
1611	Socky Sherwater	1	5	low-50+		
	weefstuil Sheawate	1	NUE	low		
1614	it ii ct	/	5 E	low -	- don't phase (light as in the Havaiion island pailplure)	
1616	11 11	2	NW	la	will Got the dat alwerlate brown of line Aslands)	
1616		2	N	Low		
1616	Pterotoma	1	W	LOW		
1620	SHEAZUATER - FETKEL	,	NW	"	(Distant.)	
1621	WHITE - TOILED	'				
	TROPCHIED	2	NE	1501	- one diving But not hitting WATTER	
1624	WEDGETAKED.					
	SHEARWATER	1	NW	Low		
11/30	, ,					
1630	WEDGETHLED SHEARWATER	,	11.7			
1633	WEDGETHILED	ľ	NW	Low		
	SHEARWATER	1	SE	11		
1634	**	1	NW			
1643	Shearwater Petrel	2	NW	"		
	, 4, 4					
1647	Wodge-tailed					
	Wedge-tailed Shearwater	1	S	И		
10-6	11/1 = +:/-1					
1657	Wedge-tailed Shearwater	1	S	K		
1000						
1658	Wedge-tailed Streamwater	/	SW	,,		
17700	Wedge-talked			,		
1 100	Streaminten	1	5W	, (
	Souty +			11		
	Shearwater	3	W			
1708	Steamwater	1	5'	31		
1712	WHITE-TAILED					
	TROPICBIRD	1	E	1001	- Feeding.	
1714	SOOTY SHEAR-				- 5proad out over 600'	
	WATER	1	5-5E	Low Tox	- 5ptcad out over 600	
1719	BONIN IS. (TYPE)	2	A/	1		
	PETREL	~	N	tow.		
	SOOTY SHERRWATE	3	5-5E	To 30'		
1724	11	1	rt.	11		
			-			

time	species	#	dir.	hgt. remarks	loc.
1726	WEDGETAILED SHEARWATER	1	SE	Low	
1728	SOOTY SHEARWATER	2	5-SE	To 30'	
1729	" "	3	"		
1729	" "	1	-	"	
1729	** **	1.	71		
1729	11 +1	2	11	e y	
1729	WEDGETAILED SHEARWATER	1	W	LOW	
1730	SOOTY SHEARLATER	1	5-5E	TO 30'	
1730	11 11	2	10	1	
1730	11 11	1		.,	
1730	11 11	1	1	11	
130	WEDGETAILED SHEARWATER	t	E	LOW	
1732	"1	1	N	LOW	
1733	BONIN /S(TYPE) PETREL	1	5/5	100	
1737	SOOTY SNEAR WATER	1	5	n-	
1738	BONIN IS. (TYPE)				
	PETREL	ı	E	it .	
19+1	SOOTY SHEARWATER	1	5-5E	70 301	
1743	WEDGETAILED ENBARHATER	1,	ENE	Low	
1745	SOOTY SHEARWATER	1	5-5E	To 30'	
1745	11 11	2	n	0	
1745	n n	11	*1	44	
1745	* **	1.L	- 41	-	
1747	-11	1.	li.	***	
1747	16 11	>			
1747	31. 35	2	10	10	
1751	1	1	"	ti .	
	61 45	1	I.	4	
1751	и 4	1	U		
1751	и	1	11	1/	
1751	ed ed	1	11	11	
1757	и и	1	Н	11	
1752	White-tailed Tropic bind	1	3	31	
1755	SOOTY SHEPEWATE	1	5-5E		
1759	WEDGETHILEP SHEARWATER	1	Low	NE	
			4		

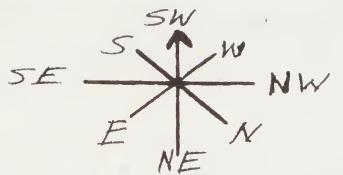


DATE 28 SEPTEMBER 64
Pg.# 6

		E		H			
Marketon and the second	time	species	VE #	dir.	het.	remarks	loc.
		RED-FOOTED BASY		7			
	1805	HEOGETHILED SHENR	1	S	Low		
		SOOTY SHEARWATER	1	S-SE	To 35'		
	1808	" "	1	n	.1		
	1808	" "	2	11	41		
FF	1810	SHEARWATER - Petro					
, .		WEDGETAILED SNEARWATER		I NE	0'		
		FAIRY TERM	1	/ / //	To		
			25.	10	125	PROBBBLY SOOTY & NODDY TERMS	
		SOOTY SHEAR WATER	2	S-SE	To 351		
	1825	WEDGETAILED SHEMIRWATER	1	SE	LOW		
	1826	SOOTY SHEARWARD	R 1	5-5E	TO 35		
	1827	WEDGETAILED SHEAR WATER	,		Low		
	1828		-		~~~~	- SUNSET	
		WEDGETAIL SHEARWATER	2		Low		
	1842	n	1		**		
	1845			-	_	secured observations	
		10					
	1	1	1 1	1	V		



	time	species	E	dir.	het.	remarks	loc.
	0600		-			- COMMENCE OBSERVATIONS	
,	0615					APPARENT SUNRISE	
-	0625	WEDGETAIL SNEAD NATER	1	NW	Low	THE EDIVICISE	
	0629	BONN IS (TYPE) PETREL	1	5E	Low.		
	0637	SOUTY TERN	1	E	200		
	0639	BONINGS. (TYPE)	1	5E	LOW	- Plying very fast with rapid arches. Wmgs darker above Than back, head not clearly soon. Apparent	
,					111	natrow wing edgings, slosh Mark in Underwing.	
	0653	SOOTY TERN)	E	Low		
	0700	PTETODXOM A	2	NW	7)	DISTANT	
-1	0710	Golden Plover WERGETAILED SNEARWATER	1	N	40'D	0725 - Bird SAT IN WATER POY Nearly IMMUTE & TOO 0745 - CAME ABOARD ON HILD-DECK - WAlked WITHIN 6	k off
					Low		
	1	PTEROPROMA WEDGETAILED SHEAR WATER	2	S	Low		
	0.727		1	E	И		
	0733	SUOTY SHEARNATE	Z] 💆	5-5E	TO 40'		
	0736	· · · · · · · · · · · · · · · · · · ·	1	71	* /		
٠	0736	WHITE-TAILED TROPICBIRD	ţ	NE	175		
	0750	SOOTH SHERRWATER) .	S-SE	TO 40'		
	0753	GREAT FRIGATEBIRD	1	0	175		
	0755	BONIN IS. (TYPE) Petrol	1	MW	To 30'	- Wide underwing edgings	
	2898	GOLDEN			700		
		Phover	ſ	4		ON HELO dECK SAME bird no earlier	
	0812	SOTY SHEARUATES	1	W	Low		
	0815	WELGETAILED SHEARWATER	5	NE	To 30'		
	0816	Red-footed	1	5E	to 30'		
	0819	Booty	/)			
		Shearwater	1	SE	1020		
	0827	Golden Plover	1			collected on helo deck with pellet gun by member of crew	
	0837	Pteradroma	3	NW	to 10'	SMALL; white underparts and wing linings;	
	0840	Cook's Petrel	1	SE	low	light gray back	
	0845	Cooks Petrel	2			along side bow to 100' thick dark wing livings with white down center on underside	
	0910	White-tailed Tropicbird	1	NE	150'	with white down center on underside	
	0915	Blue-Sared					
1		Booby	1	5	16W	Adult	



		N	E				
	time	species	#	dir.	het.	remarks	loc.
- 7-	0927	Streamwater/ petral	/	5	low	light underparts	
	0943	Shearwatery	1	N	10w		
	0944	Great Frigatebird	/	NE	300'	2	
	1000	Bulwer's Potrel	1	Nω	/•w		
4	1001	Cook's Petrol	1	SE	low		
	1002	Great Frigate	2	E	250'		
đ	1003	white-tailed Tropicbird	1	5 W			
-17	1006	Boxim (type) Petrel	1	νω	10 W		
	1012	BONIN S. (TYPE) PETREL	1	SW	Low		
	10/3	Bonin Is. (Type) Petrol	2	N	1000		
	1021	ı î	l	5E	Low	1030-OAHU - 135 mi, WIND To KNOTS From ESE	
Š	1040	WEDGETRILED SHEARWATER	1	0	Low	, will service from ESE	
	1047	Bonin Is. (Type) Petrel	1	S	low		
	1048	White-Tailed Trapicbird	,	5	150'		
	1052	WEDGETAILED SHEARWATER	1	N	Low		
	1053	BOWIN IS. (TYPE) PETREL	l	SE	,,		
	1054	11	1	,1			
	1658	HAITE -TAILED TROPICERD	3	a	<i>350'</i>	are with long tail, one Medium, one short.	
	1100	BIRDS	3	H	Low	SEEN BY SANOR.	
	1123	Great Frigatebird	2	E	250'		
		GREAT FRIGATEBIRD	1	NE	2004	Feeding - NOT SEEN ON WHAT - DISTANT	
	1255	HEDGETAILED SHEAR-	1	W	Low		
	1253	SOUTY SHEARWATER	1 ~	5-SE	TO 50'		
	1257	BONIN G. (TYPE) POTREL	3	SE	Low		
	1302	SHEARWATER PETREL		E .	LOW	PROBABLE WEDGETAIL - DISTANT	
	1421	Wedge-tailed Strearwater)	5	low	- COURSE CHANGE FOR BT DROP.	
	PH22	Wedge-tailed Shearwater	1	5	low		

SE SW W NE NE

dir. hgt. loc. remarks 1427 Cook's Petrel /ow ship circling 1500 large size light colored (white?) patetres low 1535 resume course 1540 Wedge-tailed low Shear water BONIN ISLAND PETREL 1608 NW Low SCOTY SHEARWATER 1613 5-5E TO 601 1637 GREAT FRIGATEBIRD 1-7 2001 IN OR VERY NEAR Rain- SQUASS 1722 Wedge-tail Shearn ater low NE 1731 Common wordy Tour - sitting on log on water, flew off as we approached. NW BONIN IS. (TYPE) PRIMEL 1736 NE LOW. 1758 Pomarine Jasger 1 501 NE flying steadly, did not pause an move toward ships 1758 migrating? Immature bird - A Butterfly (monarch) shing ca 115, Just about Helicaleck. 1819 W NEWELL'S SHEPRWATER - PROBABLY FluSHED FROM WATER Low 1833 NW CA 11835 SUNSET APPARENT,

	time	species	E#	dir.	het.	remarks	loc
	0610					commence watch	
	0620					apparent sunrise	
1	0648	Wedge-tailed Shearwater	1	E	low		
	0700					Slow for BT	
	0720					resume speed and course	
1-1	0727	Bird	/	7		on horizon	
	0735	Kermadec- Petrel	1	5	5-101	chocolate brown (entire bird) light colored patch on undersurface of each wing about 4/3 out from body	
j}	0746	Newell's Shenrwater	1	W	5-30		
á -	0815	Bonin Is (Type)	2	N	low		
2.2	0823	Shearwater/ Petrel	1	NE	1000		
	0832	Wedgestail	1	TE	نهوا		
	0841	Mearwater	,	5E	11		
	0858	Bonin Istyr	1	N	/ a ca'i		
		Petrel			2,0		
1-1	0900	,	/	\sim			
	0703	Bonin Is. (Type) Petrel	2	N	bl		
	0405	11	1	N	1/		
12	0911	SoutyShearwate	2	5	10-4-501	1	
	0922	Bonia Is. (Type) Petrel	1	\sim	100		
	0938	11	1	5	low		
1=1	0950	Borin Island Petrel	1	NNW	Low	- sluty back a darker apearinghead 145.	
	1008	BONIN IS (TYPE) PETREL)	N	Low		
	1013						
		BONIN S. (TYPE)	1	N			
	1051	SHEAKWAIDE -	2	angus et B	1020	- TROBABLE SOUTY SHEARWATER - Not clearly seen.	
1-1	1030	Pomerine Jaeger	1	5W	50'	Adulto (Lt. Phase)	
1-)	1037	GREAT FRIGATEBIRD	1	0	1004	I vvvm.	



DATE 30 SEPTEMBER (9
Pg. # 2

		E		N			
	time	species	E #	dir.	hgt.	remarks	loc.
2-4	1039	WEDGETAILED SHEARWATER		NW	LOW		
1	1057	PTERODROMA	1	NW	1οω	-PROKARIE P	
1=4	1110	GOLDEN PLOVER	1	0	301	-PROBABLE BONIN Ls. (TYPE) -DISTANT 1122 - Alighted briefly on Helo Deck 1123- " " " " "	
						1123- " " " " " "	
2-3	1125	Shearwater- PetriL	1	SE.	LOW		
		GOLDEN PLOVER				and the transfer of the same o	
	17/	GOLGEN PLOVES				BIRD SIGHTED AT 1110 WAS KILLED WITH PELLET GUN ON HELD DECK	
~ ~	1210	Bulwer's Petrel	1	SW	low		
~ ^	1212	Bulwer's Petrel Sooty Shearwal	时久	5		flushed from water by strip	
FF	1215	Wadge-tailed Shearwater	1	0		Ledin	
A and	,	BONIN Island		4		Floel	
Jones	1	typa Patrels	12				
		Shearwater	2			very dark (christmas Island Streamwater?)	
		7-11					
2-3	1230	Pterodrama externa	1			probably P. e. external bird closely observed but white collar	
		Type Comments				Absent (Sundell)	
	1305	Connect					
	1305	Great Frigatebild	4	G		1 Ad. ot, 1 Ad. 9, 1 imm. 9, 1?	
FF	1325	Wedge-tailed Shearwater	2			ship underway after BT	
1-15		Kaddy Terry					
		JUAN FEBRUAN				Frigatebirds diving at feeding petrels	
*		dez Petrel?	2				
		BONIN Island					
		Type Testrel	15				
post"		Flue-Faced	1			solut observed feeding and resting annate	i
		Soutyshearwater	1	1			
Lawrier .	1440	WHITE-NECKED PETREL	1	NW	Low	-flying through flock, not observed to peed.	
	1545	Bulwer's Peter	_	(3)			
		BONIN IS. (Type)		3)	Low	- Flying together	
	15	Petrel	2				
	1552	BONIN S. (FYPE) PETREL	1	NW	Low		
				-			·

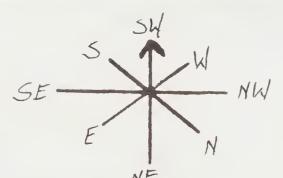
		E		N			
	time	species	E#	dir.	het.	remarks	loc.
5- 4	1602	GREAT FRIGHTE bIRD	2	NE	200 FT	07, 9	
L- 1	1620	Bulwer's Petrel	ſ	5	low		
1-1-	1658	Pulvers Petrel White-tailed Tropicbind	1	G			
	1700	Great	1	NE	500 yd.		
F	1724	1 ////// \/	12			Ale Flock Not Feeding	
1-7		Wedge-Tailed Shearwater	1				
24	1727	Pteradroma	/	N	low		
*	1734	Shearwater	2	1			
F	1735	Great Frigatebird	/			flock probably feeding	
1-2-		Tun Fernando Petrel	2				
1= is		Cooks or Bonin Petrel					
1-1	1835	Ptercoroma Shearwater petrel		5		Apparent sunset	
	1845		ī8			1	
				-			

SE NW

r ,

many birels reported this morning by watch - they were all about ships in the rain.

		an and an	E	al 4 au	hat	remarks all obout ship in the rain.
	time	species	T	dir.	III	1-
	0630	62.1				begin watch Tropical avoragated to hove ran in & ship.
3-	0649	wedge-toils heard	40/	6	low	
	0652	Juanternandez	,	25	low	
	0705	retrel	•		240	
	0706	(1)	1	E	"/	
3-3	706	Cook's (Type)	J	N	11	
	0707	Wedge-tailed				
		Shearwater	1	N	1,	Tr. A.
	07/2	Juan Fernandez Petrel	/	IV	۲/	
2-23	0821	TERMS		NW		
	0844	TERNS	9		1)	Flying tow IN long 5thing - Probable Dommon Noodys.
	0858	SOOTY SHERRWATER	14	5W	TO 501	PROBABLE 200TYS BUT TOO DISTANT TO SEE FIELD MARKS. WERE
8-3	0902	"	1,	S-SE	Low _	FOSSIBLY FEEDING WHEN FIRST SEEN Flying IN stronght line - No Arching
n	C 711	SHEAR WATER - FETREL)		(1	of the state of th
-	2917	WHITE-TAILED TROPIC		3	, 1	- Passible Souty SHEARWATER.
	0931	Erre	1	·ON	175'	
al antice		NUTE - NECKED	ワロナ	5	70'	Not seen to ActIVELY FEED.
	9-7	BONIN IS CTYPE		0	1	
		PETREL	,			
<u></u>	0935	TROPICBIRD	,	CA .	150'	- SCIN BY
	1000		/		130	- SEIN BY SAILIR
}		SMEHR WATER - PETRA	,	NW	Low	
	1012	Dark-rumped	,	NE	1000	reproved to this FAC +
		reire	1	142	low	Approached to within 50 feet on starboard
n = 1 -	1050	Pterodroma	/	SW	low	flusted from water large size
1				VY	Jour	TUAN FERNANDEZ-White-Neck-DAK-rump size
	44-	Lench's]_				JANN-NUMP SIZE
1 == -	1101	Leach's Harcourts Storm Petrel	١,	4	1	tout have Photos I come
			1		low	may have flushed from water - white rump
FF	1137	Souty Tern	6	NE	High	Z Leading flock
		Wadge-tailed Stearwater	1		10 w	
		White-Nected Petrols	15	1	low	most were resting on the water in a large group.
						group.
	1152	Pteradroma	1	NW	low	small size (BONIN IsCOOK) dark black bars
		BONIN OR COOKS PETREL				
						on dorsal surface of wings running pamillel to humerus of each wing ventral
,						surface with much write but not well seen
4						
						back and wings medium gray (seemed to be between dark gray of Bonin Is. and light gray of Cooks
			1			



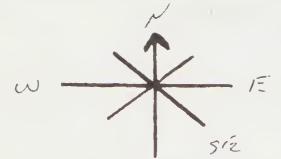
		N	F	N			
Parking and the same of the sa	time	species		dir.	hgt.	remarks	100
3-	1230	Bulwer's Petrel	1	5-5W	Low		
1-1	1300	BluE-FACED BOOBY Cook's OR BONN	1	0	Low	- SUB-ADULT.	
3-11		(TYPE) PETREL	1	NW	Low	- 500 n a 200 m l 1/2 co a	
	1319	Bulwer's Petrel	,			- Seen around Waste BoxES DISCARDED BY SMIP.	
	1350	BONIN (TYPE)	1	5W	Low		
	7,500	PETREL	1	5-5E	Low		
			/		1,7000	APPARENTLY WAS SITTING ON WATER & Flushed by SAIP. Little CONTRAST BETWEEN Head &Back.	
	1406	Shearwater/		SE	,		
Lar		patrel	6		low	passed about 300 yes, behind strip	
	14435	Gent					
	17733	Great Frightebird	/	5			
	1438	14/124 -4-1/					
1-1	170	Tropic bird	1	NE			
		1107182116	′	111			
1-4	1454	Pterodroma	/	W		January 5170 (2011) Tours 1 524)	
-			1	21 8		large size (probably Juan Fernandez Petrel)	
	1505	Red-tailed Tropichind	1	0		collected	
				7			
	15/4	Great	,	Q ₄		care lines and a second to be the third and water	
		trigolebina	1	A		circling over wounded tropic bird on water	
	1535	Red-Tailed					
		Tropicbird	/	0			
	1620						
1 - 6-	1000	Cooks Peltel	1	6		PJ9.	
FF	1640	Feeding Flock					
		Cooles Petrel	5			- 1 cottented (but lost)	
1-4		Juan Fernander, Petrel	4				
		Sooly Shearvater				harge school of skip fack turn burdin, water	
		Ten	7			they scattered as ship opproached	
1	1815	SOOTY SHEARWATER	,			beid scattered before who seen the fiel	
	1830		1	S-SE	Low		
		Bulwers ?	ì	0	low	75	
	1842	4 Feeling Flocks					
CI							
1- 1-		a. Terms	401				
CF		6. Terns	(0)				
		Lord Roung Por	10E 7				
1		larse Pterodona Wedge-tong	3				
Y		tous	1				1



DATE / October, 1964
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		species	# dir.	hgt.		loc.
T.F			40		there flocks could all be seen at the same	
FF		D. Terns	1 001 125± 25		time but were not together	
2=165	() 7 House		1252 25			
	190				apparent suriset.	
					FF- 32 - 14 =	
					Ft-E	

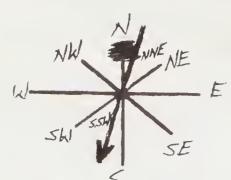
		Δ.	/E	J*			
*-dimension	time	species		dir.	hgt.	remarks	loc.
	0655			annum distance		- APPARENT SUNRISE - COMMENCE OBSERVATIONS	
		SHEARWATER-PETREL	1	C>	1011	Therport	
	0714	// //	1	5	LOW	DISTANT	
	0720	BONIN IS, (TIME) PETREL	1	5	11	. `	
	0720	11 11 11	1	NW	11		
	0722	SOOTY TERM	1	N	11		
	0724	BULWET'S TETREL	,	SE	11		
	0725	Benin Is. (TYPE) Petrel	1	SE	11		
		SCOTY SHEARWATER		5-5E	Low		
		JUAN FERNANDEZ PETRE		0	, ,		
	0803	EMERINE JAKGER	1	E			
		Long-Tailed			601	- Collected R. Kirkpatrick Ship stationary for B.T.	
	0902	Golden Plover	1		60'	- circling ship	
- -	00311	a. + F. + /: /					
FF	0934	Great Frigatebird	1			feeding flock	
		Pterodroma	12+				
		BONIN-COOK'S TY	pe)				
	0954	BONIN-Cocks	1	0	,	-t $+ C$	
		Type Petrel	3	4	low	just out of shotgun range	
	1025	RED-TALED TROPKORI					
		KED WILL KOPKOKI	1	N	low	- A tope from water.	
	1045	- I aren		-	-	- COURSE CHANGE TO DUE NORTH , NW THE	
	1100	SOCITY SHEARLIATER	V	5-5E	Low	H-X-	
	1105	Jaunfernan DEZ PETREL		NE		SH SE	
	1135	SOOTY TEXN	l	1 42	10W		
	1135	'	2	NE	Low	-tadolt, 1-imm	
		SOOTY SHEARWATE,	1-	0	Low		
	1139	WEDGETAILED			100	- Not flying with definite direction - perhaps feeding ?)	
		SHEARWATER	}	0	Low		
	1250	Red-troiled					
	1230	Tropicbird	1	NW	5-1	flushed from water	
		/					
	13/8	Streamater/		< →	low		
		petrel	1		1000		
	1						
	1408	Cooks Retrel	1	3	low		
	1420	Red-Tailed				Hand formation of People of	
		Tropicbird	1	Q	901	the circling ship - 1 11	
		17000000				J adult - no retuces	
	1425	Juan Fernandez	1	NNW	low		
		Petrel	'	NX.			
	1523	Markey					
		Mottled Petrel	5	5	low	well observed 1fg + DU dat bellies well voted	
	1					very close foship. (Pterochoma ineppectata)	
	1535	// //	/	5	low		
	1539	11 (1	1	5	/ /		
					1		



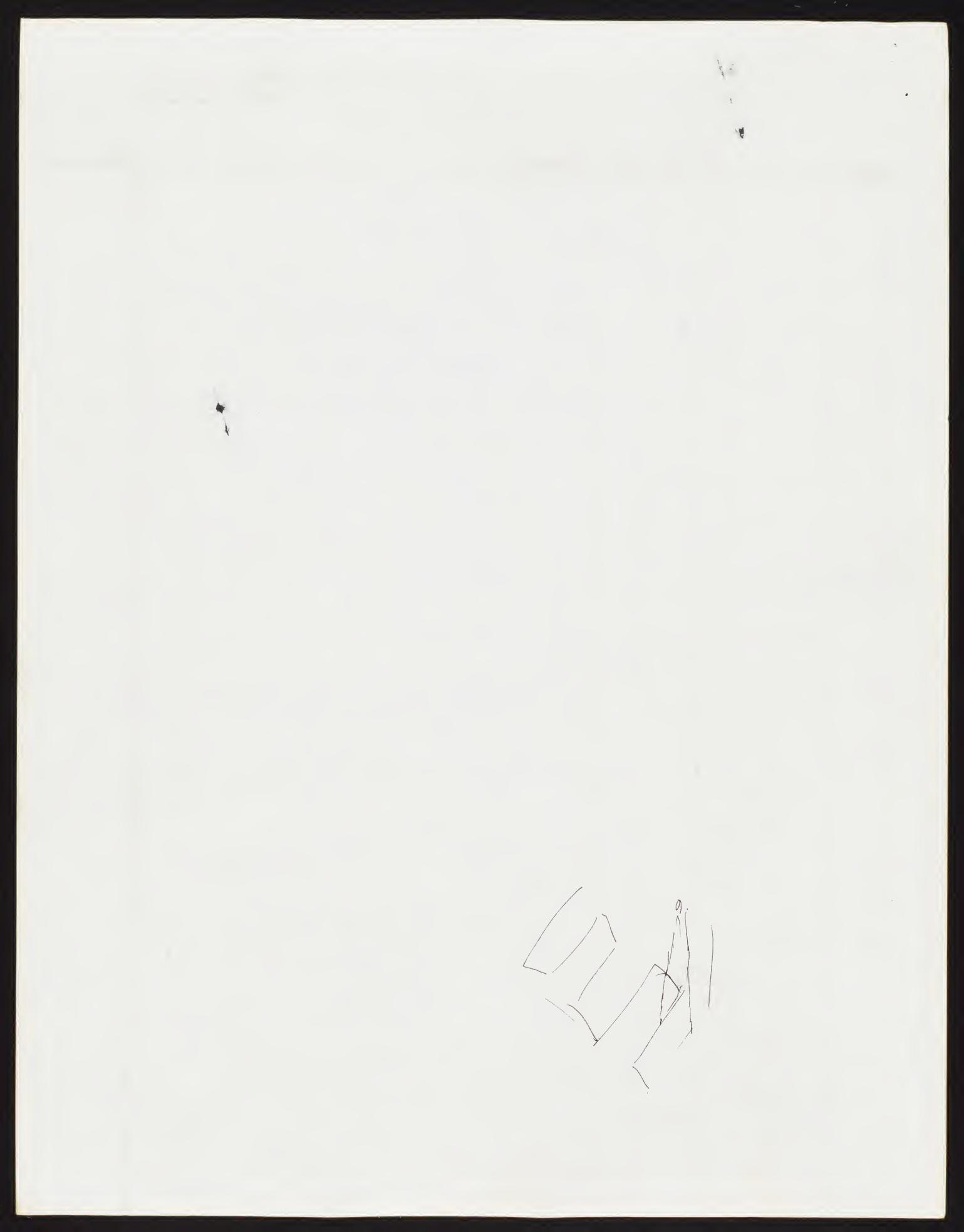
				5/2			
	time	species	#	dir.	hgt.	remarks	loc.
		Sooty Term white-rack Petrol largo Herodrom a	11±1			mortefelle terns are inmatures	
r	1550 1605 1608	Sochy Shear water BONIN la. (TYPE) PETREL)	SE - NE	Low	- availingship	
F	1612	TERNS BONIN /s (Type) refre!	,		60' TO LOW!	- Flock, Lousdy SCATTERED, PROBABLE SOUTIES, Not seen to feed, Distar	HOST LIKELY PART O SAME Flock.
F		WHITE-NECKED PETREL	1	N	Low		
		SOOTY TERM BONIN IS. (TYPE) PETREL WHITE-NECKED PETREL WEDGETAILED SHEBRWATER	1,0	GENERALLY S. SOME CINChing.	70' To Low	Not Seen To Feed but flock probably dispersed by SHIP, SHEARWATERS & Petrels REMAINED TOGETHER, Sooties DEPARTED To NW. Most Bonin Type WERE LIGHT-backed but prolonged Observation Given up for Counting, Moved by Quickly!	
F	1645	Flock OF SOUTY TERM JUAN FERNANDEZ PETREL WHITE-MECKED PETREL WEDGETAILED SHEARWATER	14 5+ 8 2	0	601 TO Low	Feeding IN MID-AIR ON Flying Fish (SMALL). Fish Also Seen Jumping under Flying Fish (Probably skip-Jack), SEVER BIRDS Following VERY Large Flock of small plying Fish To S	OUTH,
	1705	LARGE PHERODROMS BONIN IS (TYPE) PETREL	10±3	NW	Low		
	1720	BONIN IS. PETREL		7 5-5E NH	10	- DARK BACK & Head!	
	1739	SHEARWATER-PETREL SHEARWATER-PETREL WEGGETAILED	1	NW S	11 11 11 11 11 11 11 11 11 11 11 11 11	- DARIO SACR GIOGO. - DISTANT 11	
	1753	SHEARWATER LOCK OF WhITENECKED PETRELS LARGE PTERODROM SMALL "	3	N SE SE SE	11		
	1756	COOKS OR BONING		W	Low		
	1800	Shearwater- Petrel		NE			
	1805		1	N	low		
	1827			N	Low		
	1905	Wedge-tailed Streamnter	3	5E	low		



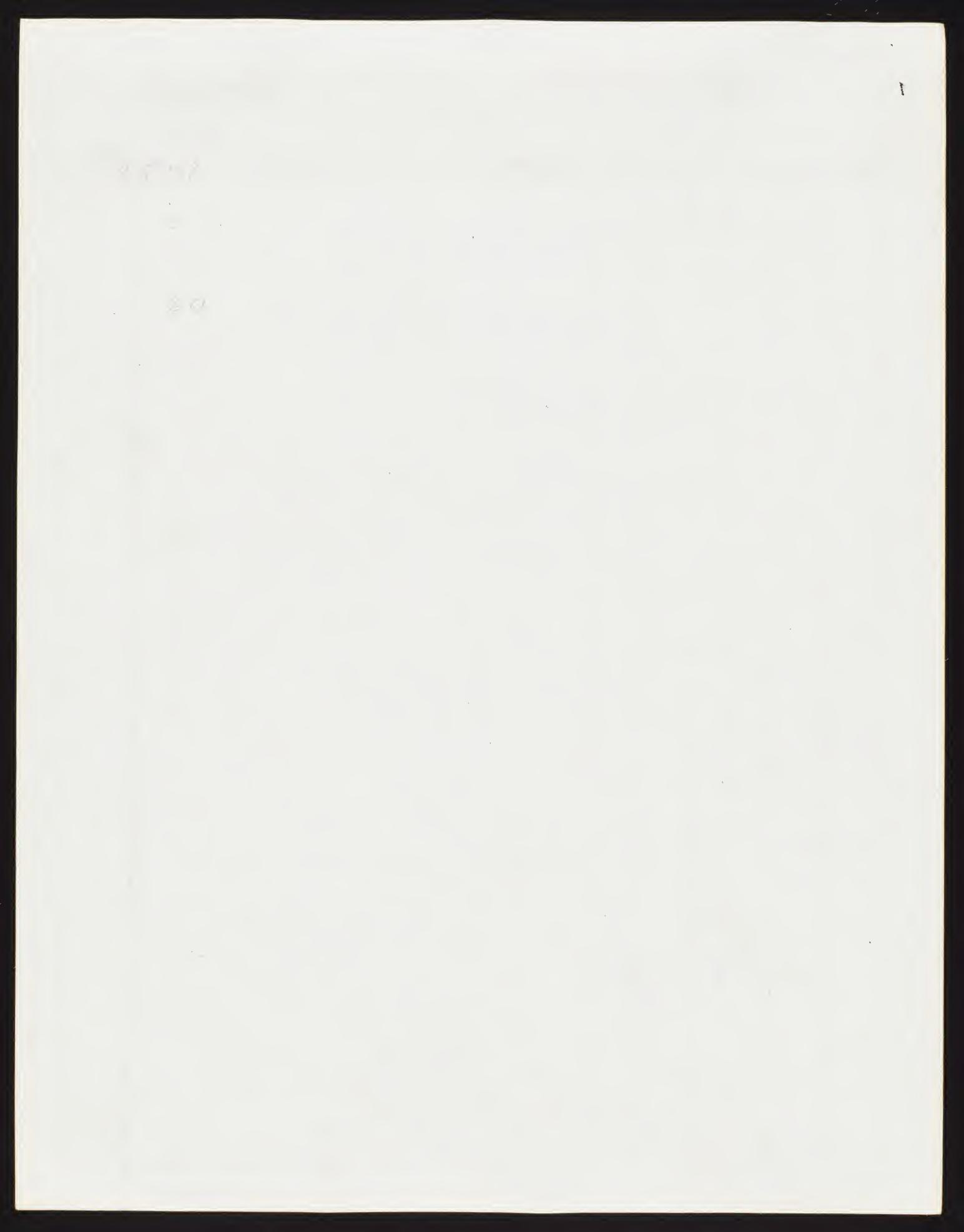
time	species	# dir	het.	remarks	loc.
1920 1924 2124 2125 2135 2235 2330 2340 2355	Scoty Tern SOOTY TERN 11 11 11 11 11 11 11 11 11 11 11 11 11 11 17 TROPIC BIRDS		100' 100' 11 100' 100	Apparent SUNSET immature calling - Adults. " " , estimate, probably more! " " - one few directly over Helo-Peck - Mounds " " - Lower than Helo-deckover WATER. " " " " " " " " " " " " " " " " " " "	RAPIDLY



time	species	#	dir.	hgt.	remarks	loc.
0001	Sooty Term	1	7		calling	
0007	11 /1	5 ±	N			
0100	buil	,				
0230	Red-footed 1300by					
		/	-	- to	- Immatar following ship of fan fail	
0338	loird	1	E	20 FT.	- Immatan following ship off fan Lail LARGE, whITE - Dize of Tropic B, Rd	
0645	Shearwater	3	E	100	0630 Johnston Island 0645 change incourse NNE	
0702	11	,	5	low	Colo Stange INCOURSE	
0715			3	700	apparent Sunrise SSW	
0712	Wedge-tailed Shearwater	2	5	low		
0740	Wedge-Tailed Shearwater	2	5'	low		
0746	Wedge-Tailed SHEARWATER	/	.5	10 m		
0821	WEDGETAILED SHEARWATER	1	0	Low		
0832	RED-tailed TRAPKOM	1	0	100'		
0840	WEDGETAILED SHEARWATER WHITE-NECKED PETREL	3		0' 50 20w	- Sitting ON WATER TOGETHER & Feeding. Flushed by ship & dispersED Quickly IN Different directions.	
0849	Flock -	-		german, day - Are Annie,	- feeding in distance	
	lange Pherodrema	5+				
	Shearnater or Petrel	51-	0			
	Tenus	2+	general of the s		· may be sooty's	
0901	PteroDROMA	1	55W	Low	- TISTANT.	
08/0	RED-+AILED					
0910	PROPICEIR D	/	<i>O</i>	100'		
0930	SHEARWATER	1	55W	100		
0930	Pterodroma	3	NNE	Low	- 2- LIGHT THASE, 1- DOTK PHASE	^
0950	RED-TAMED	ľ	MIL	Low	- DISTANT.	
	TROPICEIRD	2	SE	1001		
0957	PHERODROMA	1	5'	Low		
1023	Red-tailed	2	0	200'		
	ropicsira	0		200		
1026	Wedge-Tailed SHEARWATER	1	5	low		
1106	Wedge-tailed Stienrunter		N	10W		



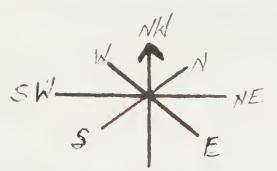
		N	VE			
	time	species	#	dir.	hgt.	remarks loc.
		SHEAR WATER-	/	NNE	Lon	
FF	1127	Wedge-tailed SHEARWATER	/	Q	low	Flying Feeding Flock
		Pteratroma	9			both large and small Pterodroma in distant flock
	1220	em Herodroma	ł	INNE	100	
		Juan Fernan den Petril	1	S	low	} may have been sitting mucter
	1225	1 11 11	/	5	100	
	123/	Pterodema	1	N	low	
	1326	Joan Fernanda	5	0		- sitting in group on water
	1332	/1 // //	2	3	Local	
	1358	Red-Tailed Tropicbind	1	ESE	300FT	
	1400	golden Plover	/	9	300FT.	calling
	1404	Boxin a Cook's Petrel	J	SE	low	
	1421	WEDGETAILED SHIEARWATER	1	SSW	Low	- inda Para
	1433	WHITE-Necked PETREL	3	NE	low	close by -good write-necks.
,	1436	WEDGETAILED SHERRWATER	1	h	LOW	Chooling against the second se
	1140	WHITE NECKED PETRE L	1	ESE	Low	
		PROD-TAILED	7	5	150	seen again arising from 420 at 1455 - realighted Ahead.
	1447	Lg. Pterodroma	ł	W	Low	- Jaun Fernandez or White-Heck (Lost in Sun reflection)
	1448	WEDGETAILED SHEAKWATER	,	NNW		The Son Feffeel on
	1452	sm. Petrel	1	SE	Low	- Flying like Bolwer's but Too Distant for Positive Ident.
	1504	JUAN Fermandez Petrel	1	352	Low	Dislant for Positive Ident.
	1507	Cook - BONIN Petrel	1			
	1508	Joun Fernandez Petrol	1	SSE	LOW	
	1517	" "	1	NE	11	- ppparently flushed by ship.
	1526	Lg. Ptrvodvoma	1	IES E	,,	-distant
	1545	LAUN FERNANDEZ PETREL	2	SE	(1	
	1550	KERMADEC	2	35		
		PETREL	2	5	, /	- SEEN At Distance to Blight in Water. Kept in VIEW - Appeared to have lighter Nape Than rest of wody.



		ENE		NNW			
	time .	species	UNE.	dir.	hgt.	remarks	loc.
	1612	Red-Tailed Tropicbird	1	33 W	901		
	1615	Streamwater/ petrel	/	G	low		
FF	1635	Great Frigatebird Juan Fernanckz Petrel Cook's Petrol	10) www	-	-feeding flock, frigate an adult famale diving into water, than flying to about 40'	
	1642	Sooty Term	2	3	to 1001	immature	
	1652	Cook's/Bonin Petrel	1	5'	low		
	1659	Blue-faced Booky	1	W	to 50'		
	1702	Large Pterodrom	/	5	low		
	1703	Red-tailed Tropic bird	2	5	250'		
	1718	JUAN FERNANDE	1	5	low		
	1721	Large Ptérodrom	1	5	low		
	1729	Cook's Petrel	1	5'	low		
		Cooks Petrel		5	1000		
		Juan Fernander Petro1	,	ESE	low		
		Pteridroma	,	SSE	low		
		Shearwater a petrol	1	N	, /		
	1815	Juan Fernandez Petrel	1	5E	1.]		
	1828	Pterodoma	1	5	11		
	1845	Jueger	/	0 -		- Immolen Parasilis or Jong-tailed - exactly like the bird collected previously	
	1850	(4			- 20 (nets as above + 2 hounatures (total of 5)	3
	1850	Blue-Focal	/			collected satelhumafun charly voteboom	
	1855 1905 1915	Shere of / Sorin Shere of / Still Golden Plover	1 1 1	? ?	5 (0		

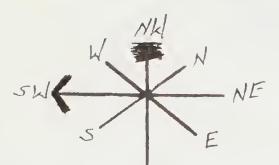


time	species	#	dir.	hgt.	remarks	loc.
1930	Sheawater	2	3		Puobably Weelge- Lails	
2,129	Sooty Term	3 or	?.	?	Probably Wedge-tails possibly more birds in flock All immatures from high pitched calls	

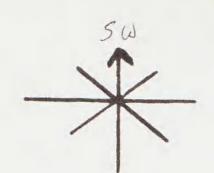


		. 5	E,	1=			100
	time	species	#	dir.	hgt.	remarks	loc.
	0300-					No BIRHS SEEN OR HEARD	
	0653	WHITE-NECKED					
	0623	PEREL	1	NW			
	(653	WEDGEFAILED					
		SHEARWITER	1	NE	LOW		
		√					
	0705	// //	3	0	Low		
	0705	WHITE-NECKED					
		Petrel	2	0	, 1		
	07/0 -		_			- SUNRISE APARENT	
	/						
	0715	PTERODROMA)	NE	ιο ω		
	0728	SHEAR WATER- PETTEL	1	5	200		
	0739	PTERODROMA	1		Low		
	1000	C // D/		NE NE	LOW		
	0809	Golden Plover	/	NE	1501		
	0823	Sooty Shearwater	4	SW	low		
	0827	Scoty Shearwater	1	SW	low		
	0899	Cooks-Bonin					
	0021	Petrel	1	5W	low		
			1				
	0830	Cooks-Benin			,		
		Petrel	2	5W	1000		
	0831	Cooks-BONIN					
	0001	Petrel	1	N	1000		
			ľ		1020		
	0832	Cocks-BONIN Petrel			1		
		Petrel	/	5'	1000		
FF	0835	Sooty Term (adults)	18	C		Cardina Cl. V	
				9		feeding flock	
		White-weeked					
		Petrel	3				
		White-Necked					
		or JUAN FERNANCE					
		Petrels	9				
		COOK'S-BONIN					
		Petrel	10				
	0838	Golden Plover		(2)	+ 10.01		
		400EN FIDUE	/	G	to 1001		
	0853	Large Pterodram	1	N	low		
		V	1				
	0855	Sooty Streamund	1	SW	1050		
FF	G Pro-1	V. I DL				Ecodina II 11	
()	0856	Kermadec Petra	/	(0)		feeding flock	
		White-Necked or JUAN FORWANDEZ				definitely NOT,	
		Petrel	18	+		Solander's Petrel	
		Solander's ? Petrel Coeks-Boxin	1			size of White-neck and Juan Fernandez Petrels distinct black on	ab l
		Petrels	12			round white patch in primaries (14 from tip of wing) on dorsal surface white patch (possibly double on ventral sur of wing back dark brown or dark gray neck light gray	face
			N Ser			of wing back dark brown or HARK gray NECK light gray	

			E				
-	time	species	#	dir.	het.	remarks	loc.
		Red-Tailed Tropicbird					
	0914	Cook's-BONIN Petrel Pterodroma Cook's-BONIN Petrel	1				
	0919	Pterodroma	1	5'E	low		
	0922	Cook's-BONIN Petrel	/	SE	low		
	0924	Cooks-Bonin Petrel Cooks-Bonin Petrel Cooks-Bonin Petrel	1				
	0926	Cask's-Bonin Petrel	2	NW	low		
	0927	Cook's-Bonin	1	5W	low		
	0929	Cooks-Bonin Petrel	1	SW	low		
	0930	Shearwater	10	SW	low		
	0930	Cooks-Bowin	2	W	low		
	0938	Sooty Streamwater	1	SE	to 401		
FF	0939	Sooty Term	10	0		feeding flock	
		121 1	30+				
	0946	Red-tailed Tropic bird	/	C1	2001		
	0948	Streamunter/petral	1	N	low		
	0955	Cook's-Bowin Petrel	1	SW	low		
	0956	Cook's -Bonin Petrel	2	SW	low		
	995 8	Cooks-Bovin	/	SW	low	short settled in the water	
	1010	Red-tail Tropichiro	1		10w -	- cathered - board + secrete in the water	
	1035	11 11 11	/	_ ~		hoveving over above bird in the water "birdin water viding high with headay" As the ship approached the me on the water the	
	1115	Ruddy Turnstone	1	Q	30	Second bird flew of Faways And sat down	
	1132	bird	1	w	low	white	
	1145	Souty Shearwater	1	W	low	and the second	
	1147	Bonin Island Petre 1?	2_,	NW	low	sitting in moter, both had dark source.	
	1235	MASKED BOOBY	1	SE	40'	Collected R. K.RKPAIRICK	



		5	 E				
	time	species	#	dir.	hgt.	remarks	loc.
	1257	Golden PlouER	1	NW	250'	CALLING	
	1308	BONIN IS, (TYPE) PETREL	,	NE	TO 30'		
	1330	JOAN FERNANDEZ	ľ				
		MAITE-NECKED	2	5W	10w	> Flying Together when first seen.	
		PETREL	7	SE	n		
	1345	SHEARWATER -					
	1343	PETIZEL	1	W	"	- PROBABLE WHITE-NECK OR JUAN FERNANDEZ - DISTANT.	
	1349	JUAN FERNANDEZ		,			
		PETREL	1	NE	Low		
	1409	BONIN-COOK'S PETREL	1	0	11	- Feeding Type Flight.	
,,,,		1.1					
F	1415	WEDGETAILED SHEARWATER	2	N	LOW		
		SOOTY TERN	6	40	60'	Flock - NOT POTNELY FEEDING!	
1		WHITE-NECKED PERREL	1	1	LOW		
		SHEARWATER- PETREL	3	NE	200	- PROBABLE JUAN FERNANDEZ	
		/ E/RE]					
	1458	Red-tailed,		0	2150'	bird hit by strotque blast	
		Tropicbird	/		750	Dira ini, by Siebigen Dinsi	
	1500	JUAN FERNANDEZ		N	low	I bird hit by skotgun blast	
		Petral	2	/ *	1000	I Dira III Dy Sjedjedin Djasi	
	1529	Cooks-Bonin		NE	low		
		Petrel	1	NA	1000		
	1530	COOK'S-BONIN					
		Petrel	/				
		D 0-t-1-1					
	1540	Ked-Tailed Tropicalized	1	SW	250'		
		7,07,04,10,					
CHONGE	1645	Pterodroma					
GNYERED ON SMEET 1630	1695	TREPORTOMA	/	S	low	moving fast.	
7630	1655		_			- sighted Flork in Horizon & alter corrector	
	1710	7/ock -			2		
			A	make a server season		Tactively fueling, no flying fish	
		Sooty Shearwale	1251	25	1	+ flew ost a ship approached.	
		Sooty terms		±10 -		- Primarily immatures	
		Juan ferwander Petrel	5+				
						Sooty Shen waters wer feeding as a group within the le	
		Cook, a Doning petrel	2+			within, the flock_	
		wedge-toil				NO red-togged birels	
		skearua tev	1				
		Bulguers Retrel	1			atura was caught as we	
						what went through the flock	
		1					
	1	10					



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	time	species	#	dir.	het.	remarks	loc.
	1835	SOOTY TERN	18+	Q		ON HORIZON SLOWLY WORKING NW	
	1838	She ARWATER	1	5			
			1	N	Low		
					1	Moved Papidly; PROBABLY NOT FEEDING (?)	
+	1904	Scoty	10-			MOVED THETTELY;	
100	913	SCOTY TERN SCOTY SHEARWATER	1	5			
69	1923	WEDGETAIL SHEARWATER	1	NE	Low		
	2220	Sooty Tory	7+	751		callin	
	2250	Sooty Tern large while beid	1			reported by watch	
		beid				- sugsite of	
					-		
						5	
				-			
4							
				-74			

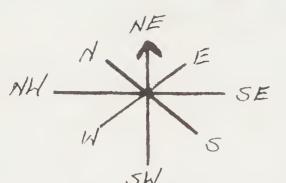
Comes species of dir. hat. remarks O105 Sorty Term O203 Sind OALA Sorty Term OALA SORT TERM I H-166 WEBO Calling—a high pithed, short call water wat december for ender of the colling of day 1911). (OR SHOWED FOR NIND) D523 Streethers (2) 3-5 Mills D653 Rieddy invitate 1 Calling—a high pithed, short call water wat december for ender only a day 1911). (OR SHOWED FOR NIND) O653 Rieddy invitate 1 Calling O653 Rieddy invitate 1 Calling O720 O730 Borown Boody O744 Riedge-talkas O745 Riedge-talkas O745 Riedge-talkas O745 Riedge-talkas O745 Riedge-talkas O753 Riedge-talkas O755 Riedge-talkas O755 Riedge-talkas O756 Strifty O758 Strifty O7	
CADS Gold Surf TERM I HAN 66'80' flow over the beloader, posselly a shown of the beloader, posselly a shown of the beloader of the best cast of the state of the	100
CASS Secretarios (2) 5-5 mills sind calling - a high picked, short call mode unt dominar for the 1820 - 182	water
0655 Reddy Tenston 1 Cg low jewl over helphack 1720 0730 Evenn Booby 1 Cg to 100' irrnature 0735 Reddy Tenston 1 Cg 0743 Wedge tild 1 E low 0743 Sharwater 1 E low 0745 Sharwater 28 5 low 0753 Southwater 28 5 low 0753 Southwater 28 5 low 0753 Southwater 28 5 low 0756 Southwater 28 5 low 0756 Southwater 20 5 low 0803 Southwater 20 5 low 0803 Southwater 20 5 low 0803 Southwater 20 5 low 1860 Southwater 20 5 low 1860 Southwater 20 5 low 0810 Southwater 20 5 low 0810 Southwater 20 5 low 1860 Southwater 20 5 low 1860 Southwater 20 5 low 1860 Southwater 20 5 low 1870 S	
0730 Brown Booky 1 Cy to 1001 irresture 0730 Brown Booky 1 Cy to 1001 irresture 0735 Ruddy tensions 1 Cy 0743 Riddy tensions 1 E low 0745 Schwarter 1 E low 0745 Schwarter 28 5 low 0753 Scott 0753 Scott 0756 Sort 0756 Sort 0750 Strenuster 20 5 low 0803 Scott 0803 Scott 0805 Sort 0806 Sort 0807 Sort 0808 Sort 0808 Sort 0809 Strenuster 20 5 low 0800 Scott 0800 Strenuster 20 5 low 0800 Scott 0800 Sort 0800 Sort 0800 Sort 0800 Sort 0800 Sort 0800 Sort 0800 Strenuster 20 5 low 0800 Sort 0800 Sort 0800 Strenuster 20 5 low 0800 Sort 0810 Sort 0810 Sort 0810 Sort 0810 Sort 0810 Sort 0821 Sort Shearwater 21 5 0822 Cally arrater 2 5 0823 Colder Plour 1 0 0824 Cally arrater 2 5 0825 Cally farater 1 0 0820 Cally flexibora 1 0 0820 Call flexibor	
0730 Brewn Booby 1 @ to 1001 irrenture 0735 Ruddy Timbles 1 @ same bird still circling strip 0743 Wedge-taked 1 E low ONE gallon Messon oil spr 0745 September 28 5 low ON53 Sort Steamwater 28 5 low 0753 Sort Sharwater 20 5 low 0756 Sort Sharwater 20 5 low 0803 Sort Sharwater 20 5 low 0805 Secty Shearwater 30 5 low 0805 Secty Shearwater 30 5 low 0810 Sooty Shearwater 20 5 low 0811 Sooty Shearwater 20 5 low 0815 Secty Shearwater 20 5 low 0816 Sooty Shearwater 20 5 low 0817 Weblington 30 5 low 0818 Sooty Shearwater 20 5 low 0818 Sooty Shearwater 20 5 low 0819 Sooty Shearwater 20 5 low 0815 Secty Shearwater 20 5 low 0825 Kaddy Turnton \$. or - Slying with golden Ylover 0826 Soulf Pheodoma 1 0 - around ail alief	
3735 Ruddy Firmstone 1 Q SAME bird still circling ship 0743 Wedge-tilled Steamenter 1 E low 0745 Sichrunter 28 5 low 0753 Sooty 0753 Sooty 0753 Sooty 0756 Sorty Steamenter 28 5 low 0756 Sorty Steamenter 20 5 low 0756 Sorty Steamenter 20 5 low 0803 Sooty Steamenter 30 5 low 0805 Sooty Steamenter 30 5 low 0806 Sooty Steamenter 30 5 low 18 CS SOTY Sheamenter 30 5 low 18 CS SOTY Sheamenter 30 5 low 18 CS SOOTY Sheamenter 30 5 low Sheamenter	
OTH3 Nedge-talked Steamenter 1 E /ow One gallon Wesson oil spread on the stand of t	
SHEARWATER 1 E /OW ORGANIN Nesson oil SPR O730 About 15 Minutes before plankton destail become almost completely broken up by wave active broken up by wave active here with any arounty of Atlanticities of the but sover thousand to be the but sover the but over it but sover the beauty shearwater 20 S O810 Secty Shearwater 25 S O810 Secty Shearwater 25 S O811 Secty Shearwater 25 S O815 Secty Shearwater 27 S O817 Shearwater 27 S O818 Sooty Shearwater 21 S O819 Shearwater 21 S O823 Colder Plour 1 O O825 Raddy tarroton \$	
O753 Scoty Stephnister 23 5 low O756 Softy Stephnister 20+ 5 low O803 Scoty Stephnister 3 SECTY Shephnister 3 SOCTY Shephnister 25 5 ORII Scoty Shephnister 25 5 ORII Scoty Shephnister 27 5 ORII Scoty Shephnister 29 5 ORII Scoty Shephnister 21 5 ORII Scoty Shephnister 22 5 ORII Scoty Shephnister	
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Shearwater 29 S OB21 Sooty Shearwater 21 S OB23 Golden Plour 1 O OB25 Raddy Turnston 1 O OB26 Small Phenodroma 1 OB30 Varge Photodroma 1 O - around aid adict and y ling with golden Plourer around aid adict	
0817 Warketail Shamour 1	
0817 Wedge tail Shamour 1 On around aid aliel Shearwater 21 5 (09 Let Shearwater 21 5 0823 Golden Plour 1 On Lying with golden Plourer 0825 Raddy Turnston 1 Lying with golden Plourer 0826 Small Pterodroma 1 0830 Varge Pterodroma 1 O around aid aliek	
0825 Raddy Turnston 1 Llying with golden Pluver 0826 Small Ptero droma 1 0830 Varge Ptonodroma 1 6 arawd ail aliek	
0825 Raddy Turnston 1 Llying with golden Pluver 0826 Small Ptero droma 1 0830 Varge Ptonodroma 1 6 arawd ail aliek	
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tuiderway of caron	
0848 Sooty Sheaverater 25	
0855 Wedge-Tailed 1 5 100	
0900 Socity Shearmak 387 # 5.	
0907 11 34 5	
0912 Mottled Petrel 1 Special low	

2919 Sosty Sharmanter 20 S 2929 " " 65 S 2939 Sharmanter I NU Golden Player 738 Sosty Sharmanter I S 2934 W " 7 S 2944 W " 7 S 2944 Mother Patrol I S 2949 Cook's Patrol 1002 Sooty Sharmanter 16 S 2001 Loads Precordent I N Law - White-Neck OR Jupan Fernandez. 1002 Sooty Sharmanter I N Law - White-Neck OR Jupan Fernandez. 1014 White Necked 1022 Sooty Sharmanter 20 S'SE TO SO' 1022 Sooty Sharmanter 20 S'SE TO SO' 1023 WEDGETANED 2030 RED-TANED 1056 Sooty Sharmanter 7550 S TO GO' 1056 Sharmanter 7550 S TO GO' 1057 BONIN Is. (1996) 1058 Terrel I NW Low	ime	species	E	dir.	het.	remarks		loc.
1997 Secretarial I NO Golfen Plans I NO Golfen Plans I NO Golfen Plans I NO Golfen Plans I S S Secretarial I NO S Secretarial I NO S Secretarial I S S Secretarial I S S Secretarial I S S SECRETARIA I S S S SECRETARIA I					1000			
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TETREL 1 NW TO SOLUTION OF THE PROPERTY OF THE		i		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	100	- White-Neck OR JUAN Fernandez.		
Description 20 size months 20 size model area from where a sheathare 1 se oro low area from where a sheathare 1 se oro low area from where a sory immers 25 to 50 to 60' sort immers 1 se tow and sort in the sort	•	PETREL	1	NW	To 30'			
SHERRIMITER 1 SE O'ROLOW Arace from WATER RED-THISE OF TRANSPORD 1 NW CO'TOLW COURSE CHANGE TO NE SOUTH SECURITIES 1 SE LOW RED-THISE TO NE SOUTH SECURITIES TO SET LOW RED-THISE TO NE SOUTH SECURITIES TO NE RED-THISE RED-THISE TO NE RED-THISE RED-THISE TO NE RED-THISE RED-THISE TO NE RED-THISE TO			20	J-SE	TO 50'			
ASO RED-THIED TRANSPORD I NW CO'TOLING COURSE CURNET TO NE OSE SOCTY SHARMATER TISES S TO GO' COURSE CURNET TO NE OSE SOLIN IS (TYPE) I SE LOW HOS SOLIN IS (TYPE) I NW LOW GOLLEN Plower I CA 40' COURSE CHANGE TO NIW COURSE CHANGE TO NE RGAIN! 120 Sollwer's Petel I S 121 Socty Shere Change TO S S 127 Socty Shere Change TO S 128 Socty Shere Change TO S 129 Socty Shere Change TO S 149 Socty Shere Change TO S 1504 Shere Change TO S 1505 Shere Change TO S 1505 Shere Change TO S 1506 Shere Change TO S 1506 Shere Change TO S 1507 Shere Change TO S 1508 She	125	WEDGETAILED SHEARWATER	1	SE	0/20/2	Arose from WATER		
CHS SOLVERS TO SELVE S TO GO' SOLVERS SOLVE LIMBER TO SELVE S TO GO' SOLVERS SOLVERS TO SELVE I SE LOW 1105 BONNIN IS. (TYPE) TO REPEEL I NIW LOW GOLDER'S FOREL I S LOW 1106 BONNER'S FOREL I S 120 BONNER'S FOREL I S 1214 SOOTY SHEWS LIMBER TO SE'S S 127 " " 300 5 S 128 SOOTY SHEWS TO SE'S S 129 SOOTY SHEWS TO SE'S S 1213 FETREL I S 124 SOOTY SHEWS TO SE'S S 124 SOOTY SHEWS TO SE'S S 125 S 126 SOOTY SHEWS TO SE'S S 127 SHEWS TO SE'S S 128 SOOTY SHEWS TO SE'S S 129 SOOTY SHEWS TO SE'S S 120 SOOTY SHEWS TO SE'S S 120 SOOTY SHEWS TO SE'S S 121 SOOTY SHEWS TO SE'S S 121 SOOTY SHEWS TO SE'S S 122 SOOTY SHEWS TO SE'S S 123 SOOTY SHEWS TO SE'S S 124 SOOTY SHEWS TO SE'S S 125 SHEWS TO SE'S S 126 SOOTY SHEWS TO SE'S S 127 MOHTLES I S' TO JO'S 122 SOOTY SHEWS TO SE'S S 122 SOOTY SHEWS TO SE'S S 123 SOOTY SHEWS TO SE'S S 124 SOOTY SHEWS TO SE'S S 125 SOOTY SHEWS TO SE'S S 126 SOOTY SHEWS TO SE'S S 127 MOHTLES I S' TO JO'S 122 SOOTY SHEWS TO SE'S S 124 SOOTY SHEWS TO SE'S S 125 SOOTY SHEWS TO SE'S S 126 SOOTY SHEWS TO SE'S S 127 MOHTLES I S' TO JO'S 128 SOOTY SHEWS TO SE'S S 129 SOOTY SHEWS TO SE'S S 120 S	030	RED-TAILED			1000			
OSE SOCTY SUCREMENTER 75 TO GO' SHERENATER FORM I SE LOW NOS BANK IS. (TYPE) PETREL I NIW LOW Golden Place I ON 40' COURSE CHANGE TO NINW COURSE CHANGE TO NE RGAIN! LOW SOCTY SHERENOUR JOES S 124 SOCTY SHERENOUR 75 5 S 134 SOCTY SHERENOUR 75 5 S 141 SOCTY SHERENOUR 75 5 S 142 SOCTY SHERENOUR 75 5 S 144 SOCTY SHERENOUR 75 S 144 SOCTY SHERENOUR 75 S 145 SOCTY SHERENOUR 75 S 146 SOCTY SHERENOUR 75 S 147 SOCTY SHERENOUR 75 S 148 SOCTY SHERENOUR 75 S 149 SOCTY SHERENOUR 75 S 140 SOCTY SHERENOUR 75 S 140 SOCTY SHERENOUR 75 S 140 SOCTY SHERENOUR 75 S 141 SOCTY SHERENOUR 75 S 142 SOCTY SHERENOUR 75 S 144 SOCTY SHERENOUR 75 S 145 SOCTY SHERENOUR 75 S 146 STEAMWATER 75 S 147 SOCTY SHERENOUR 75 S 148 SOCTY SHERENOUR 75 S 149 SOCTY SHERENOUR 75 S 140 SOCTY SHERENOUR 75 S 140 SOCTY SHERENOUR 75 S 140 SOCTY SHERENOUR 75 S 141 SOCTY SHERENOUR 75 S 142 SOCTY SHERENOUR 75 S 144 SOCTY SHERENOUR 75 S 145 SOCTY SHERENOUR 75 S 146 SOCTY SHERENOUR 75 S 147 SOCTY SHERENOUR 75 S 148 SOCTY SHERENOUR 75 S 149 SOCTY SHERENOUR 75 S 140 SOCTY SHERENOUR 75 S 150 SOCTY SHERENOUR 75 S		TROPICBIRD	1	NK!	60'To Low		53	
1055 SOUTY SUPERIORIER 75\$ 10 S TO GO' 1056 SHERENDER 1 SE LOW 1050 BONNN IS, (1990) 1050 TETREL 1 NIW LOW 1050 Golden Planer 1 CA 40' 1050 SOUTH STREEL 1 S LOW 1050 SOUTY SHERENDER 30 \$ 5 5 1050 JOSEPH SUPER 30 \$ 5	1015 -		-		+ -	- COURSE CHANGE TO NE		
ROS BONIN IS. (190E) TERREL I NW LOW Golden Flower I CA 40' COURSE CHANGE TO NAW COURSE CHANGE TO NE RGAIN! LOW JOOR SHERSWAR 30 & S 5 70 & SO' 124 SONTY SHER TEST I S LOW SHERWATER 25 S SHERRWATER 25 S SHERRWATER 25 S SHERRWATER 27 S 1204 SONTY Sherrwater 18 S to 461 LOW SONTY SHERRWATER 27 S LOW SONTY SHERRWATER 27 S LOW SONTY SHERRWATER 27 S LOW S	1055	SOOTY SHEARWATER	75±	10 5	To 60'			
TERREL 1 NW LOW Golden Plower 1 ON 40' COURSE CHANGE TO NNW COURSE CHANGE TO NE AGAIN! COURSE CHANGE TO NEW COURSE CHANGE TO NE AGAIN! COURSE CHANGE TO NEW	1056	SHEARWATER - PETEL	2 /	JE				
TERREL 1 NW LOW Golden Plower 1 ON 40' COURSE CHANGE TO NNW COURSE CHANGE TO NE AGAIN! COURSE CHANGE TO NEW COURSE CHANGE TO NE AGAIN! COURSE CHANGE TO NEW	1105	BONIN /5. (TYPE)						
Golden Plower 1 CO 40' TO T			1	NW	Low			
COURSE CHANGE TO NAW COURSE CHANGE TO NE AGAIN! LOUS TO SO! TO	11/0	Golden Plover	1					
COURSE CHRNGE TO NE AGAIN! LOWS JOORY SHEREWOLD 30 \$5 \$ JOSTY SHEREWOLD 30 \$5 \$ JOSTY SHEREWOLD 30 \$5 \$ JUST SOOTY SHEREWOLD 30 \$5 \$ JUST SOOTY SHEREWOLD 30 \$5 \$ JUST SOOTY SHEREWOLD 30 \$5 \$ JUST SHEARWOLD 30 \$5 \$ JUST SHEARWOLD 30 \$5 \$ JUST SOOTY SHEREWOLD 30 \$5 \$ JUST SOOTY SHEARWOLD 30 \$5 \$ JUST SHEARWOLD 30 \$	110)				40	- COURCE CHANGE TO ANILI		
120 Bolher's Petrel 1 5 1024 30079 Shemsware 30 \$5 5 1034 SooTy Shem (LATER 75 ± 10 S) 1135 PETREL 1 S 142 SooTy Shemware 25 S 1149 SooTy Shemware 25 S 1149 Sooty Shemware 18 S 1204 Sooty Shemware 18 S 1207 Mottled 1 S low 12217 Mottled 1 S low 1221 Sooty Shemware 2 S to 20 %			_					
124 Joory SNEREWOLK 30 \$5 \$ 70 50/ 1/27 "" " 30\$ 5 \$ 70 50/ 1/34 SOUTY SHERE 75 \$ 10 \$ 142 SOUTY SHERE 25 \$ 5 1/42 SOUTY SHERE 25 \$ 5 1/49 SOUTY SHEREWOLK 27 \$ 5 1/204 Souty Shermunter 18 \$ 1640/ 1/217 Mottled Retired 1 \$ 1000 1/221 Souty Shermunter 2 \$ 1000		D/-12.				LOURSE CHANGE TO NE AGRIN!		
1127 " 30 to 5 5 70 sol 1134 Souty Shell 1 5 10 S 1142 Scoty Shell 1 5 5 1149 Scoty Shell 1 75 5 5 1204 Souty Shell 1 8 5 to 461 1217 Mottled Retired 1 5 low 1221 Souty Shell 1 5 low			1		Low			
134 Souty Shew 25 to S 135 PETREL 1 S 142 Scoty Shearwater 25 S 1149 Souty Shearwater 27 S 1204 Souty Shearwater 18 S to 40' 1217 Mottled Petrel 1 S low 1221 Souty Shearwater 2 5 to 20!					70 50			
135 PETREL 1 S 142 Scoty Shearwater 25 S 149 Scoty Shearwater 18 S to 461 1217 Mottled Petrel 1 S low 1221 Scoty Shearwater 2 5 to 201		South Chree	301		1			
135 PETREL 1 S 142 Scoty Shearwater 25 S 149 Scoty Shearwater 18 S to 461 1217 Mottled Petrel 1 S low 1221 Scoty Shearwater 2 5 to 201		WATER	75	=10 S				
149 SOUTY SHEARWATER 27 S 1504 Souty Shearwater 18 S to 40' 1217 Mottled Petvel 1 S low 1221 Souty Shearwater 2 5 to 20's	135	PETREL	1	5				
149 SOUTY SHEARWATER 27 S 1504 Souty Shearwater 18 S to 40' 1217 Mottled Petvel 1 S low 1221 Souty Shearwater 2 5 to 20's	1142	SOOTY	25	5				
1204 Sooty Shearwater 18 S to 40' 1217 Mottled Petvel 1 S low 1221 Sooty Shearwater 2 5 to 20'		Shearwhife						
1204 Sooty Shearwater 18 S to 40' 1217 Mottled Petvel 1 S low 1221 Sooty Shearwater 2 5 to 20'	1149	South	77	S				
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1217 Mottled Retvel 1 5 low 1221 Sooty Shenwater 2 5 to 201	1504	Soat				A. C. C.		
1221 Sooty Sheanwater 2 5 to 201	1207	Sheanwater	18	S	to401			
1221 Sooty Sheanwater 2 5 to 201								
1221 Sooty Sheanwater 2 5 to 201	1217	Mottled		0	1000	V. Santa		
1221 Sooty Shenrunter 2 5 to 201 1221 Wedge-Tailed Shenrunter ! NE low		reivel	1)	1040			
Shenruater 2 5 to 201 1221 Wedge-tailed Streamwater ! NE kow	1551	South						
1221 Wedge-Tailed Strengwater 1 NE low	1221	Shennuator	2	5	to 20"			
Strengwater ! NE low	,	1						
Shearwarer 100	1222	Wedge Tailed	1	MIT	/			
		JI WHIEF		INE	1000			

	,5	IW	<u>.</u>			
time	species	#	dir.	hgt.	remarks 10	oc,
1224		6	5'	to 301		
1225	Sooty Sternwater			to 30		
1236		30	5	to 50'		
1237	Sooty Shearwater	27	5	to 50'		
1245	Scoty Streamwater	2	5	to 401		
1246	(the state of the s	
	Petrel	1	5	& low		
	Scoty Shearwater	1	5'	to 201		
1251	Cook's-Bonin Petrel	1	5	low		
1255	Sooty Shearwater	49	5'	to 50'		
	Sooty Sheaminter		<	to 5001		
	- Souty Streamwater		5	to 75'	It appears that some of the birds in these flocks are slightly larger? And darken than Sooty Shearwaters and lack the white wing linings of that species.	
1314	Scity Shearwater	40	5'	to 80'	AND LACK AThe white wing livings of that species.	
1338	Scoty Shearwater			to 1001		
135%	Sody Shearwater		S	16401		
	Sooty Streamenter				The state of the s	
1358	Cooks-BONIN		~	to 40		
	Petrel	- /	5	low		
14-10	JUAN FERNANCEZ					
	Petrel	1	5	low		
1412	Sooty					×
	Streamaton	60	5	to		
1415	,1 12	60±	10 5			
1422	Cooks or Bonin	7	, , , , , , , , , , , , , , , , , , , ,			
r 112-	Patrel	3	NE	low		
F 1425	Flock - TERMS	20+				
1430	BUDDY TURNSTONE	/	NE	Low	- Shot - J.D.W. Collected (15 MIN. Pickup)	
1435	SOOT Y SHEAZUATER	201	5	11		
ca 1445	RED-TAILED TROPICBIRD)	a	-1	- Circling Downed bird.	
1510	SOOTY SHEARWATER	1	5	17	July Downez with.	
1523	REP. TANED TEORKBIRD	J	N	150'	- POSSIBLY SAMEBIRD AS 1445 ENTRY.	
1540	6 7/6	Zot		7 50		
1550		202	25	Low		
	Cooks or Some	1	NE	low		
1601	mottled Petrel	1	JE -		- avoiding ship	
1714	Socty Shewwater	+	5	low		
1723	South Sheam water	15	S	low		
1726	Petre/	/	St	low		
1730	Sooty Shearwaten	8	5	low		
	1	0		1000		

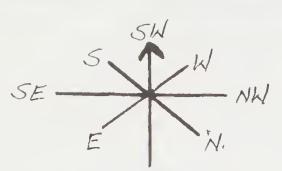
NW NE SE

	time	species 5	4.5	dir.	hgt.	remarks 100
	1750	Ruddy Turnstone		Q,	low	
	1752	11 11	-			collected Not picked up
	1817	Sonty Shearwater	7	5	low.	
	1822	Cook's-Bonia	1	5	70 w	
	1826	Sooty Shearwater		5W	low	
		white-Necked Petrel		3	low	
	1837	Shearwater	1	2	low	
	1843	skna?	1	5	60"	Slew from water — a median sized brid with very short tail a broad wings. Illew nith a slow wingbeat unlike typical Jaegers. It was too distant to see color characteristics, but appeared to be all dark. Churky in shape
	18 44	Golden Plover	1	G	low	anding ships.
	1909	Shearwater	1	5	loa	
	1911	Wedge-tailed Shearwater	1	SE	low	
	1914	Muttled Petrel	1	5	1000	
	1915	Sooty	1	5	low	
1615	55	Shearwater Wedge-tailed Shearwater	1	5	low	
	19/8	Juan Fernandez Petrel	1	v	100	- very unstable flight
	1933	Shearwater/ Petrel	1	NW	low	
	2040	bird	1			single call note from above step, but muffled beyond recognition due to wind
H						



	time	species	/ #	dir.	hgt.	remarks	loc.
			1-3		50-751	PROBABLE GoldEN PloVERS - CAlling.	
		Golden Plover		Q.	?	probably circled strip once; called several times	7
		Petul	1	SSE	low	Dulwer's or storm petul close to ships but sould	
	07/5	Juro Fernandez Petrel	1	NW		only see sellahante des to derkness.	
	0741	cook's Petrel		SW	,	At 0730 about 21/2 Fallons of Fine Fighting	
	0746	Cook's Petrel	1	8 60	/οω	emulaion (mote	
		wedge-tailed	/	5	low	emulsion (mostly ground my fish etc) was theren.	
	0747	Shearwater Blue-faced Booby (imm)	1	νω	10w 50'	overbood within 15 minutes then were about staged around for about 15 minutes falls owerist. They	
	1.	Pterochoma	8	E		taced took 1. The Blue-	
	0740	Shearn ates	3	3		sliel for several minute.	
	0750	Pterochoma	2	,			
	0816	SMALL PYERODROMA	1	W	Low	- Going TOWARD Oil slick.	
	0817	Golden Plover	1	(In	LOW) Strent	
	0825	PTERODROMA	j		Low		
	0830	RED-TAILED TROPICBIRD	2	E	100		
	0845		,		-	- Cruised through o, I stick - No birds near or in Vicinity. Oil; is spread into long streaks by winder waves but seems to remain well on surface.	
	0853	Golden Plauer	1	NE,	55-60		
		SHEARWATER - PETREL	1	5	Low	- IN SUN'S Reflection	
	0922	GOLDEN PLOVER SOOTY SHEAR WATER	2	NE	TO 50'		
	0937	WEDGETAILED SHEARWATER	1	5	LOW	- Not Arching Flight.	
	1000		/	NE	LOW		
F	1000	FRIGHTEBIRD	2	NE	150	- NERY DISTANT - DURING GEHERAL QUARTERS - SHIP CHANGED	
		TERMS	50-40		L061	COURSE FOR DERING GENERAL QUARTERS - SHIP CHAMETER COURSE FOR DEREPAL QUARTERS. Flock LOST.	
	1029	LARGE TTERCOROMA SCOTY SHEARWATER	1	NE	low)		
	1043	Golden Plover	1	CA	1000 to 601	probably flushed from water by ship circled ship once	
	1101	Petrel	1	N	low	SMAll, black possibly Bulwer's Patrol	
	1108	Golden Ploven	1	NE	to 100'	purphable 1: 1 : 1 = 1	
	1/20	Blue-faced Booby (imm)	1	NE	30'	proundly bind sightled earlier	
	1130	cook's Patrel	/	G	low	shot, wounded, but not picked up.	
	1233	Wedge-toil Shearwater	}	E.	low		

.5		E			
species 5	= #	dir.	hgt.	remarks	100
Red-tail Tropichine	1	9	high	circling eratically	
Shore binds	2	N	low		
	1		TO 60'		
,	1		11	5 5W	
cons lettel	/	//	IDW	drained dourse	
				SENW	
Golden Plover	1	Ca	to 100	E N	
Red-Tailed	1	E NE	801	NE	
Tropicbird					
Bonin or Coat	,				
Petrel		5 w	low		
1 teradama)				
	/	WNW	low	looked large	
Petul	2	2			
	1	2			
	1	75 Ft.	0		
	3	KE			
		SIE			
	1	SSE			
Petul	1	NE			
	1	2			
			0.0	shoot Dane Brotley	
		CH WOT		of the Cartine it howered , Too 1 2n3	
91672 9100	/		hamala	about in Die + Tely tropical in the	
	-	_		around the ship and lots of flying fish as	
weeks-toil	2			_	
				- feeding - Tura school still around.	
Petul	1	0			
Sooty term	6			- teeding - voflying fish observed.	
Wallge fail Shear -	8+				
Pherodion	4.	t			
Common worldy Term	1				
	Red-tail Tropichine Shore binds GoldEN PloVER """ Cooks Petrel Golden Plover Red-Tailed Tropicbind Bonin or Cooks Petrel Plandrown Cooks a Bonin Petrel Wedge-toil Shoush Cooks a Bonin Petrel Where was Petrel Where was Petrel Therochomo Cooks a Bonin Petrel Therochomo Petrel Therochomo Cooks a Bonin Petrel Therochomo Cooks a Bonin Petrel Therochomo Petrel Therochom Petrel Therochom Petrel Therochom Petrel Therochom	Red-tail Tropichine 1 Shore binds 2 Golden Plover 1 Cooks Petrel 1 Golden Plover 1 Red-Tailed 1 Tropichind 1 Bonin or Cooks Petrel 1 Petrol Plover 1 Cooks a Bonin Petrol 1 Cooks a Bonin Petrol 3 Wedge-toil Showsh 1 Golden Plover 1 Shear Petrol 3 With and Petrol 1 Prerochomo 1 Cook a Bonin Petrol 1 Prerochomo 1 Cook a Bonin Petrol 1 Red-toil Tropichind 1 Prigate bind 1 Prigate bind 1 Prigate bind 1 Took	Red-tail Tropichine 1 9 Shore binds 2 N GoldEN PloVER 1 N GoldEN PloVER 1 N GoldEN PloVER 1 N Golden Plover 1 Ca Red-Tailed 1 SW Bouin or Cook's Petrel 1 SW Bouin or Cook's Petrel 2 SW Verly - boil Showed 1 SFE Sheaf Pelul 3 NE Sheaf Pelul 3 NE Petrochora 1 SFE Pterochora 1 SFE Pterochora 1 SFE Red-tail Toppubind 1 Ch woth Inigate bind 1 Red-tail Toppubind 1 Ch woth Inigate bind 1 To Sooty term 6 Weekly Lailsheur 8+ Pterochora 6 Verly Lailsheur 8+ Pterochora 1 SFE Verland 1 STE Verrand 1	Red-tail Tropichine 1 9 high Shore binds 2 N low Golden Plover 1 N TO GO' """ N ISW Golden Plover 1 N ISW Golden Plover 1 Of to 100 Red-Tailed 1 NE 80' Bouin or Gook's Petrel 2 Now low Cooks or Bornin Petrel 2 Selected 1 SEE Verly - toil Showed 1 SEE Phenochoro 1 SEE Cooks or Bornin Petrel 1 SEE Phenochoro 1 SEE Cooks or Bornin Petrel 1 SEE Phenochoro 1 SEE Cooks or Bornin Petrel 1 See Cooks or Bornin 1 NE Juan Fernandey 1 Service 1 Show attain 1 Show attain 1 Show attain 1 Service 1 Se	Red-hal Tropchice 1 9 high cirching and isally Shore hirds 2 N 50 50 N Code Patrel 1 N 1000 super

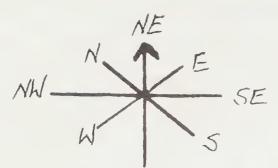


	Λ	IE 1	44	had		loc
1814	Species JUAN FERNANDEZ		alr.	hgt.	remarks	200
1014	PETREL	2	5	Low		
1817	MASKED BOOBY	1	0	Low	- SUB-Adult.	
1852	WEDGETAILED SHEARLIATER		SE	Low		
1915 -		_			- APPARENT SUNSET	
1945	SHEARWATER		(A)	40'		
2100	SOOTY TERN	,		40	- rooms fine weageraff.	
2100		2	SW	30	- 1-Adult, 1-Immature	
2215	Gooty Tern	,			SATTALITE - MOVING TO SE ACROSS MILKY - WAY -VERY RAPIDLY.	
2320	Shorebird?	,			calling	
					call note - only once, high pitched whistle.	
2348	Sooty Tern	4	(apparently at some distance from ship.	
					calling (3 imm + ladalt)	
	-					
		E)				
	1	1				1

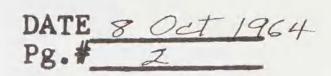
NW.
(W) SW-M
S
SW SE NW (VE)
C E NE
NE (SE)

. . .

		(J) At		IN (E)			
	time	species	#	dir.	hgt.	remarks	loc
	0003	Sooty Tern	1			CAHING	
	0008	Softy Terry	2			callingi	
	0720	RED-TAILED					
		TROPICBIRD	1	SE	150'		
	0722		-			- SINRISE.	
		WEPGETAILED			-		
		SHEARWATER	1	NE	1 ()		
				/,	LOW		
	C740 -					- STOPPED FOR MORNING STATION.	
	0744	WEDGETAILED SNEARWATER	1	W	Low		
	08/4	Galden Playon	1				
		Golden Plover Ruddy Turnstone	1	Ca	to 100'	plover calling	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	0815					underway	
	0834	Golden Plover	2	CI			
	0846	Golden Plover	1	01		joined flock of 3 plover and 2 turnstones	
						circling strip	
	0.914	Wedge-triled			,		
		Shearwater	1	5	low	0914	
	////	GOLDEN PLOYER	1	0	low		
	1010						
	1212	Shearwater/	1	SE	low	appeared to be all black or dark brown	
		perser				did Not fly like Christmas Island Streamunter	'n
	1318	Sooty (?)	,				
		Streamwater	/	المنت ا	low		
	1329	Wedge-Tailed	2	5	low		
		Shearwater	2				
	1345	Scoty	1	5	B60'		
	1350	Sooty Shearwater	1	5'	to 60		
	1429	Golden Plover	,	NW	80'	calling	
						NE NA =	
	1432	Bonin erCooks Petrel	1	UNE	low	NW-X-SE	
	V h h					W/'S	
	1622	WEDGETAILEIT SHEARWATER	1	SE	how	5W	
	1/ 22						
	1632	BONIN IS. (TYPE) PETREL	,				
			1	5	Low		
١	1645	RED-TAILED FROPIC BIRD	1	7	150		
	1650 -	d	-		+,	- COURSE CHANGE TO NE	
	1848	Shearwatedpetre		SE	low		
	1920		-			Apparent sunset	



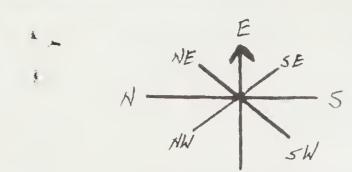
		5.	W	1.5	1 A-		100
	ime	species	· ·	dir.	ngt.	remarks	loc.
	0740	Golden Plover)	(5	80'	calling	
	8.742	Golden Plover Juan Fernandez Petrel Cant's Petrel	1	5E	10 w	Carring	
	0751	retrel		1) /			
	0802	Cook's Petrel Red-Tailed Tropiebird	1	NW	low		
		Tropiebird	1	N	2001		
	0834	WEDGETHILED SHEARWATER)	E	Low	- DARK PHASE	
	0856	Cook's PETREL					
		BONIN - GOOK'S	,	E	LOW		
	014/	PETREL	}	E	Low		
	1004	Cook's PETREL	,	SE			
	1005	Cook's PETREL Golden PloyER	3	NE	z 9		
	1014	JUAN FERNANCEZ		NE	Low		
		tetrel	/	NE	low		
	1018	JUAN FORNANCEZ Petrel	/	NE	low	passibly same bird as 1014 sighting	
				7.00			
	1052	Christmas Island Shearwater	1	E	low	SMALL size, All black, characteristic flight Noted	
	1000		,				
	1053	Cooks-Bonin Petret	1	N	low		
	1222	Cooks Petrel	/	SE	11		
_	1327	11 //		SE	11		
	1.327	Folden Plower	,	(3)	45		
	1413	JUAN FERNANDEZ					
		PETREL	1	5E	Low	- AROSE FROM WATER	
	1440						
		SHEARINATER - PETREL	1	5E	Low		
	1450	Golden Plover					
		Golden Florer	1	NE	TO 35		
F	1505	WEDGETAILED		_			
		BONIN IS. (TYPE)	6	0			
		PETREL	3	TO	Low	Feeding, but dispERSED QUICKLY BY SHIP.	
		JUAN FERNANDES FOREL	5	SE			
	1517	,1 ,1	/	NW	11		
	1520	BONN - Cook's Patrel	,	(~)	/)		
40 2.	1522	SCOTY TERM	6	N.	50'		
V 1		WHITE - NOCKED PETREL	1	0	Low		
REMINANT Flock	1522	WEDGET PILED SHEARWATE	RA.	0	Low	-1 shot - R.Kirkpatrick could not be picked up	
>	1524	BONIN IS CTYPE)				picital ap	
		PET REL	2+	0	10co		



NW NE SE NW S'SE

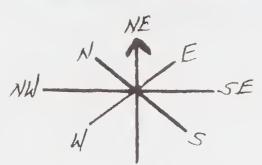
	5	w				
time					remarks	loc
1600	Golden Plover	1	Ca	to 40	collected P. Gould SAME location as Wedge-	
1	Pterodroma		SW	low	tailed Shearwater	
1618	Scoty Shearwater	1	5	to 50'		
1621	Golden Plover	1	C	1501		
1652	White-necked Petrol	1	SE	low	plumage appeared frest	
1653	Golden Plover	1	SE	low		
1718	White-necked Petrol	1	NE	low	flew parallel with ship for several minutes landed on water for several seconds at least three times definitely feeding Kept wings extended while on water	
1731	Golden Ploven	1	NW	to 601	water !	
1741	Sooty	1	5	1000		
	Shearwater					
1750	Wedge Tailed Shearwater	1	S	1000	Dark phase	
1808	Golden Plover	1	NE	40'		
	Pterodroma	1	NE	1000		
	Golden Plover		NE	to 1501		
1849	Sooty Shearwater	1	5	to 50'		
1910					apparent sunset	
		-				
1						

		W/	SW			
time	species	#	dir.	hgt.	remarks	loc.
07 <i>15</i> 0717	WEDGETHILED				- PPPARENT SUNRISE - COMMENCE OBSERVATIONS, (APPROXIMATELY 48-MILES FROM J.I.)	
	SHEARWATER	3	0	LOW	-following Ship.	
0730 - 0801	RED-TAILED				STOPPED FOR MORNING STATION	
	TROPICBIRD	1	SE	75'	- arose from water	
0806	WEDGETAILED SHEDRWATER	1	0	LOW		
0807	GoldEN PloVER	1	W	30'		
0816		=	-		- UNDER WAY	
0825	PETEL, SMALL	1	5	TO 301	- Looked like Bulwer's but Floshed silver At peaks of arches. Like Sooty SHEAKWATER. UPPER Wing not seen due To Light Conditions. WAS Definitely not Sooty SHEAFWATER. IN close!	
0906	Petre/, large	1	5	low		
0917	Golden Plover	1	C	to 100'		
	Golden Plover	1		to 100'		
	Cook's Petrel	1	5'	low	The Diraces On Signing	
	Pterodroma	1	E	low		
0937	Cooks-Bonin Petrel	1	E	low		
0949	Cook's-BONIN Petrel	1	51	low		
0954	Wedge-tailed Shearwater	1	5W	low		
0959	Red-footed Booky	/	E	to 40	immature	
1006	Golden Plover	1	E	to 50		
1012	Wedge-tailed Strearwater	1	N	low		
1022	Great Frigatebira	4	N	to 250°		
1025	Wedge-tailed Steamwater	2	E	to 20'	following strip	
1047	Red-Souted Booky	2	N	t.30'	ladult, l'immature	
1050	Cooks or Bonjar Petrel	1	N			
1053	Sheam ala	l	E -		- weld durk	
1054	Wedge-tailed Shearwater	,		low		
1100	Christmas Is. Shearwater	1	5	Jan .		
1150	Golden Plover	1	E	80'	calling	
1200	Blue-faced Booky)	Ø	garden 8	- Lm.m.	
	Gt. Frigateblica	1	5	300 FT.	quel.	

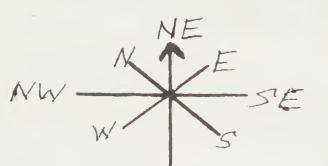


DATE 9 October 1964
Pg.# Z

		,	, j	5W			
		species		dir.	hgt.	remarks loc.	
		Juan Fernandee Petrel		N	1000		
	1222	Shearwater/ Petrel	1	W	low		
	1256	MASKED BOOBY	2	\forall	Low	-1-adult, 1-imm,	
	1306	WEDGETAILED				, and , , , , , , , , , , , , , , , , , , ,	
		SHEAR WATER	1	5	Low		
	1314	JUAN FERNANDEZ PETREL	1	N	Low		
	13/6	RED-FOOTED BOOBY	2	Q		- 1 m m .	
	1317	WEOGE TAILED	-		Low	- (M M ·	
		SHEARWATER	4	a	Low		
	1317	CHRISTMAS IS.					
		SHEARWATER	1	NE	Low		
	/335	BONIN IS. (TYPE)					
		PETREL	1	E	Low		
	1420	WEDGETAILED					
	1425	SHEARWIATER	2	H	Low		
		GREAT FRIGHTEBIRD	1		1751	1mm	
	1427	RED-frotED BOODY	1	NE	Low	- SOB - Adult.	
		Cook's Petral)	N	10cu		
	1446	Cooks Petrel	/	Ν	low		
<i>p t</i> =	14-49	Mottled Petre		5	low		
FF	1510	Great Trigatebird Cooks Petrel			to 3001	feeding flock N.E	
	1515		2	N	low	NE	
	1522	Cook's Petrel	1	\sim	low	change course NW SE	
	1536		1	SE	low		
	1547		1	F	low	W 5	
	1	Streamuster/petrel	1	SE	low	5W	
	1608	Cooks Retrel	1	SE	low		
	1622	Storm Petrel	1	N	low	very broad white tail patch square broad tail	
		Harcourts				very broad white tail patch square broad tail well seen close to ship flight slow, straight and flat	
	1638	JUAN FERNANDE	-	N	Low	Sam 3/raight And Flat	
		PETRIEL	/	///			
	1640	BONIN-COOKS PETREL	,	NE	1000		
FF	1645	GREAT FRIGHTE	11				
		SHEAR WATER SHEAR WATER JUAN FERNANDEZ POTREL	2 2-3	7 /			
		WHITE- NECKED	11				
		PETREL			1		



time	species	W#	dir.	hgt.	remarks	loc.
1708	PIERODROMA	,	NW		- Dull Neck - JUAN FERNANDEZ OR WHITE- NECKED PETREL.	
1711	11	1	E	10W	- DISTANT - 11 11 11 11 11	
17/1	Cock's PETREL	1	N-NW	^		
17/5	Flock -				- Feeding, wo flying fish observed	
	SostyTern	20			- 607 immatures	
	Wedgetail	_			The terms were just visable when first	
	Shearwater Greetzeel	7			olsewed. it look the ship 5 minuts	
	Great Frigatebird Juanternandez	/				
	Petrel	1			to reach the flock troubling of co. 91/2 1911 of	
		T±1			Per low. This means that the flood was	
	12e frel) + (about I mile cleatant	
1738	small Plewdrom	1	SE			
1748	Cooks a Bonius					
	Petrel	1	W		. 16	
1810	PIERODROMA				9,5 x	
	MA	1	SE	Low	- White-Hecked Or JUAN FERNANDEZ - DISTANT.1.	
1812	MOTTLED PETREL	,			. 16	
1824	C L		5	Low	very close, excellent o en of Dal 60 19.500	
104/	Cooks on Bonin Petrel	1	NE	low	negbelly 5	
	rettel				3	
1827	WHITE- NECKED PETREL				.16	
10-0		/	NE	Low	80	
1828	Cook's-BOMN IS. PETREL	,	NE	LOW		
1829	1 ,I ,I			202		
1830	· ·	1	NE	Low		
	11 /1 /1	1				
1832	white-wek Petral	1			donally very	Soleil
	Dark rung Petul	(.	2		- excellent view	nt grey
1835	lago Pfreodomer	1			a slaty color	
1855	Cooks/Bonie Petrel	己	SE		Ventral signatur of bo	ue aiwings
1835					sign of while - u	ele Retul.
	1540 60 50064	1	N	low	adult	
1836	christmas	١,	SE			
	Bland Sheawats		1/2			
1840	Cooks Petul	1	5E			
1816	Herodroma	1	5	Low		
1847	RED-TAILED	,	NE	Low		
1856	MOTTLED PETREL			1	5-3 / Y	
1855	Ptero dum	/	5	To 30'	light must	
1855	whate	(SSE			1
1857					approvents mont.	
, , ,		_				

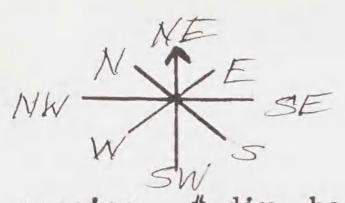


DATE 10 OcTOBER 1964
Pg.#

loc. # dir. hgt. remarks 0701 BONIN ISLAND
TYPE PETREL 2 NE Law low 0712 PETREL ALL ChocoLATE BROWN EXCEPT A WHITE PATCH UNDER EACH WING NEAR WRIST AREA LOW TO YOFT 0720 KERMADEC S PETREL 0735 Pterodmma 5 low 0738 Pterodroma \wedge low 0753 White-necked Petro 1 feeding flock FF LANGE PTERODYAMA 15 total No. birds in Flock 30 110 low Small Pterodroma 15 Watch secured From 0830 until 0930 so that the ship could be washed Down with Fresh water 13 0958 Juan Fernandez low Petrel small Pterodroma 1000 Wedge-tailed 1010 NE Sheavwater Cook's Bonin 1012 5W low Mottled Petrol 1016 100 5 Pterodrona 1027 10 w NU Juan Fernandez 1037 low NW Petre1 1047 RED-TAILED TROPKSAD - SITTING ON HEO Low SHEARWATER - PETREL 1108 NE - DISTANT 400 SUBALULT: MLISTAED IN WATER AT 1140 MASKED BOOBY 1131 30 NE SOUTY SHEARWATER 1140 5 LOW 1150 large whale dead in large oil slick to 40' adult of circling over AND diving toward whale petrels feeding in oil slike 3 Leach's - Forked tails closely observed MANY of rest of petrel could not be observed at close range since they dispersed rapidly at the approach

	time	species	> W	dir.	hgt.	remarks	loc.
						of the strip but several birds appeared	
						to have squared tails (Harcourts)	
						All birds observed had white rump patch	
						possibly one light gray storm petrel in flock	AlBACORI MAHIM,
						Strip circled whate three times and upon close Approach sharks could be seen feeding upon the whate	CAUGHT WHALE
	D					About 1230 garbage was dumped from the strip and about a dozen storm petrels immediately gathered about it	
	1240	Mendanin' samputar salaharan	-		Name of the latest the	under way resumed course	
	1255	Stown Peter	16	NE	low	flying parallel to ship's course	
	1204	Wedge-tailed Shearwater	1	5'	low		
	1322	Mottled Petre	1,	5E	low		
	1411	JUAN FerNANDE Petrel	2	SE	low		,
			/	E	1000	feeding sitting on water when first observed	
	1430	Tuan Fernance Petrol	1	E	low		
FF	1434	Wedge-tailed					
		SHEARWATER	1	NE		Flock Feeding	
		Cooks Petrel		NE			
		Juan Fernandez	1	NE			
	1452	BONIN IS. (TYPE)					
	,,,,,,,	PETREL	2	E	Low		
		pro .					
		JUAN FERNAND. PETREL	22/	5E	LOW		
	1454	7 13	1	SE			
		A to Cl	No. 1	52	Low		
CA.	1520	Storm Petre	N. S.	Ca	Jane .	collected - Charlie Noteboom	
		JUAN FERNANDEZ	- (NOW		
		BONIN-Type	4			PICKUP - Ihr. 5 Min.	
		Petrel	1			FLARER Life - ST	
		JUAN FETNANDE	5			FLARER Life-55 MIN FEEDING STORM-PETREL & BONIN (TYPE) OVER SCHOOL OF MAHIMAHI.	
		Great Frigatebin	23				
	1641	Wedge Tailed		1/			
		Shear water		/ /			
-							

ABACORE + MAHIMAHI WHALE.



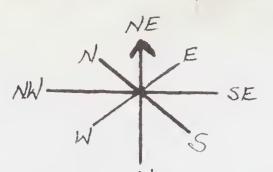
		VY	M	5			
-	time	species	#	dir.	hgt.	remarks	loc.
,		Cooks-Banin Petrel	1	SE	low		
	1653	Cooks-Bonin Petrel	1	5	low		
		Cooks-Bonin Petrel		NE	low		
	1719	Blue-faced Booty	1	NE	to 60'	immature (bird of the year)	R
	1722	Cooks Petrel	1	NE	low		
F	1755	SOOTY TERNS	6			NEAR HORIZON E OF Ship	
,		Blue-faced Book	1	NE	to 150	adult flew parallel with ship for about 10 minutes	
	1833	Red-tailed Tropicbind	1	NE	10/50		
	1845		-			APPARENT SUNSET	
	70						
							1
			H Hon				

		J.		1.			100
_		species	*	dir.	hgt.	remarks	loc.
	0715	cooksPetrel	1	NE	low		
	0735	Kermadec Petrel	1	2 E	10w	all light brown, with white patches at	
	0740	Shearwater Petrel	1	NE	low	base of primaries on underwing, about the size of Juan Vernandez Catrel	
	0743	Newell's Shearwater	1	E	100		
	0748	Cook's Patrel	1	NW	1000		
	0800	Shearwater	4	5	low		
	0806	Wedge-tailed Shearwater	1	E	Inw		
	0817	Coot's Petrel	,	5	low		
	0822	Small Pterodroma	1	NE	100		
	0843	Wedge-tailed Shearwater	1	SE	low		
	0844	Cook's-BONIN TYPE PETREL	ı	W	Low		
	0844	WEDGETAILED		cil			
	0844	SHEARINATER PTERODROMA	1	sh sh	Low		
	0847	WEDGETAILED SHEARWATER	1	5E	Low		
	0903	et et	5	NE		- I dark phase	
	0903	GOOK'S / BONIN PETREL	I	E	Low	- I da l'e prase	
	0920					- LOST STEERING	
	0920	WHITE-TAILED TROFICBIRD			125'		
	5580	PterodromA	1	Low	1 43		
	0940		_			DISTANT - ON COURSE	
	0945		-	-	-	- WHALE SPRAY P	
	0957	GOOK'S PETREL	1	NW	LOW	DISTANT OFF STARBOARD	
	1000	11 11	1	E	13		
	1021	LEACHES HARCOURTS STORM PETREL	1	NW			
	1027	Cook's PETREI			Low		
	1040	Leach's Storm Petrel	1	E SE	Low	white rump patch segmated by thin dark line	
	1050	Cook's Petrel	1	SE	low		
	1100	Wedge-Tailed Shearwater	3	58	low		

		5	W				
	time	species				remarks	loc.
	1123	Cook's Petrel	2	NE	1000		
	1212	JUAN FERNANCEZ					
		JUAN FERNANCEZ Petref	1	SE	low		
	1215	Wedge-tailed					
		SHEARWATER	/	N	low	flushed from water	
	1222	Cook's Petrol	1	NE	low		
	122		/		1000	Flushed from water Feeding Flock	
FF	1223	Nedge-Iniled Streamunter	10			feeding flock	
		POMArine	10				
		Vaeger	/				
	1255	Cook's Petre	}	SE			
	1257	Cools Bonin		1			
		Petrel)	NE			
	1326	DL					
		, , , , , , , , , , , , , , , , , , , ,	1	SE			
	1350	WEDGETAILED SHEARWATER		5W			
	1350)	OM			
	1000	BONIN/COOK'S PETREL	,	SE			
	1350	Golden PloVER)	NE	501		
	1358	MOTTLED PETREL	,				
	1402	SHEARWATER PETREL	1	SSE	TO 40'		
	1451		1	E-SE	20ω	-DISTANT.	
		Cook's Petrel	/	5	low		
	1502	Wedge Triled Streamnaton	3	5	low		
	1588	5 hearwater/petral	/	SE	,		
	1511	Wedge-Tailed	/		low		
		SHEARWATER	1	SE	low		
	1512	Wedge-tailed SHEARWATEN Cook's Petrel Cook's Petrel		11+			
	1214	5HZANWATEN	1	NE	low		
	1513	Cook's Petrel	1	S	low		
	15/9	Cook's Petrel	1	E	low		
	1523	Wedge-tailed State armater	,	N	low		
	100115			SE.	1010		
	1				Low		
	1549	WEGGETAILES SHEAKWATER	1	9	Low		
	15-49	COOK'S PETREL	/	N	Low		

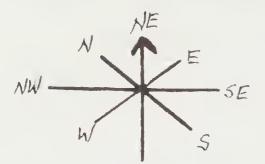


time	species		dir.	hgt.	remarks	loc.
1608	PETREL	1	SE	Low		
	COOK'S PETREL	1	SE	Low		
1		1	26	2000		
1613	WEDGETAILED SHEARWATER	Z	SE	Low		
1619	Cooks PETREL	1	SE	2000		
1620	200KS PETREL	1	S	LOW		
1627	SHERR WATER-	1	SW	Low	NEAR HORIZON	
1644	Golden Plover	2	NE	901		
1646	Woodge-tailed Shearwater	2	SE	low		
1646	Cook's Petrel	1	NW	low		
1652	Wedge-tailed Shearwater	1	SE	low		
1653	11	2	SE	1000		
1655	Mattled Petrel	1	SE	low		
1657	Wedge-tailed	1	SE	low		
1658	Shearwater	1	SE	10w		
1707	Mottled Petrel	,	5	18W		
1707	Cook's Petrel	1	N	low		
1722	MoHled Petrol	1	5	10w		
1723	Wedge-tailed Shearwater	1	SE	low		
1724	cook's Petrol	1	SW	low		
1732	Mothled Petrel	1	5	1000		
1736	11 (3) 11	1	5	10a.	- black axilars, but not save of bellie	
1746	wedge-tail Shearwafer	1	NE		Could be P. cooki axillaris? Pfg.	
1746	Cooks Petrel		NW			
1751	noffled Petrel	1	SE.		and a lot of greying sufferion when wing,	
1759	large Pterocliona	1	55		and a lat of greyol sufferior and when,	
1801	mostled Petrel	1	5			
1303	1	1	5			
1800						
1805	white - foil Tropulaid	1	0	400 F1		
1810	Wedge-tail Shearnatu	1	56			
1811	Swoly Sheored	4,		1	- wording ship	
1815	Pherodroma	1				
		1	ENE		appart sawet 1820	



4

		W		5			
t	ime	species		dir.	hgt.	remarks	loc.
	0632		_			- APPARENT SUNRISE	
		NEWELL'S SHEARWATER	1	~	LOW	TYPHRENT BUNKISE	
	0652	SHEARWATER PETREL	1	NW			
	0658	NEWELL'S SHEARWATER)	E	Low	- DISTANT	
C	0658	WEDGE TAILED -			LOW		
	3702	SHEARWAIER	1	NE	LOW		
	57/7	"	4	0	Low		
		TERNS	15±	5	70 10-1	all kills and the same of the same	
F	a. 77)				TO 100'	Flock Loose & apparently Not Feeding	
,	0721	SOOTY TERN SHEARWATER SP	3	5W	1001		
		Silver Amiro	8	0	Low	- PROBABLE FREding & WELGETAILS - DISTANT.	
	0728	WEDGETAILED					
		SHEARWATER	1	NW	Low		
	0744	SHEARWATER/ PETREL	1	5	Low	DISTANT	
					lt al		
	0755	GOLDEN PLOVER	1	NE	40'		
	0903	wedge-tailed	,	Sw	1-		
		Shoarwater			1000		
	0910	Golden Plover	1			heard calling, but could not be located	
	0920						
	CTAD	Shearwater/	1	5E	10 W	very distant	
1	0927	Noddy Tern	1	NW	10w		
	0933	Newell's Sheatwater	1	JE	1000		
	0944	Cook's Petrel	/	NE	low	-slade was sol	
				12			
	09248	Wedge-tailed Shearwater	1	\wedge	low		
	2050						
	0450	White-tailed Tropic bird	1	NE	to300		
	1000						
	1030	Newell's	1	NE	low		
						1:1+ 0/000	
	1040	Pomarine Jacque	~ /	E	to 200'	- Light phase (some above?)	
	1050	u 11	į	0	4	light share (some to	
	1128	GOLDEN PLOVER					
	1/30		/	NE	TO 70'		
	1124	NODDY / ERN Sp.)	H	Low	- Not clearly Seen - Flying directly DWAY from View.	
	,	COMMON NODDY					
	./2)	TERN	1	E	Low	- SITTING ON FLOATING LOG	
	1/34	WEDGETAILED				TOTTING LOG	
		SHEARWATER	}	0	Low		
	1134	NEWELL'S					
		SHEAR WATER)	N	Low		



ģ		W		\$		
•	time	species 50	#	dir.	hgt.	remarks loc.
	1141	SOOT SHEARWATER (?)	J	E	Low	WAS SITTING ON WATER All I CI
	//4/	LEOGETAILEV SHEAKWATER	1			with series of slow wing beats & Circling Glides. No Auching HEAVY CHUNKY BIRD - LARGER THAN WEDGETAIL Flying NEARBY
	1216	SHEAR WATER	1	N	Low	- SAME AS ABOVE but APPARENTLY INHEAVY Moult Breast & Neck (Brown BOOBY PATTERN BELOW) dark, helly & WNDER TAIL WHITISh - PARTIAL Albino?
	1238	Wedge-tailed Streamwater	/	N	low	UPPER WINGS & BODY has Poor Looking FemTHERS, - Blotchy.
	1246	Wedge Tailed Shearwater	1			
	1255	Pomarine Jaeger	2	5W	to 300'	
	1304	Pomarine Jagar	1	5W	to 200'	
	1320	Red-footed Booby	1	KE	to 50	adult flushed from water
F	1314	Wedge-toiled Stranster Brown Booky Great Frigatebird	611	Q		No active feeding observed but frigatebird abut chasing bookies
	1358	GREAT FAIGATE BIRL	1	SE	300'	
		POMARINE SAEGEL	1	S 	To 300'	TURNED AND HEADED NE
	1442	Wedge-tailed Shearwater	1	5	10 w	
	14 47	11		5	1000	
	1452	Great Frigatebird	/	(En	300'	
	1456	Wedge Tailed Shearwater	1.	5	1000	
	1459	"	1	Νω	low	
	1500	11	1	5	/ο ω	
	1501	1)	2	NW	low	
	1503	"	1	SE	1000	
	1505	Pomarine Jaeger	1	SE	35'	dark breast, white belly
	1522	Wedge-tailed Shearwater	[s E	low	
	153)				

DATE 28 Sept 1964

Time at sunrise = Position at sunrise =

Time at sunset = 1826 Position at sunset = 20-40-5 N 159-10 W

Miles traveled from 0000 hours to sunrise =

Miles traveled from sunrise to sunset = 87

Miles traveled from sunset to 2400 hours = 52

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	1032	VISUAL	157-59 W	21-13.5N
	1130	VIS + RAPAR	158-03 W	21-06 N
		LORAN	158-18 W	21-00 N
	1318		158-56 W	20 46 N
	1707			
5.	1941	LORAN /	159-19W	20-36 N
	2241	LORAN 1	59-48W	20-26.5N
		, , , ,		

DATE 29. Sept 1964

Time at sunrise = 0630 Position at sunrise = 20-06 N 160-54 W

Time at sunset = 1840Position at sunset = 19-30.00 162-17.00

Miles traveled from 0000 hours to sunrise = 53

Miles traveled from sunrise to sunset = 86

	TIME OF FIX	TYPE OF FIX		
1	0707	LORAN	160-59W	20-04.5N
		LORAN	161-04W	20-62.0N
	0740	LORAN	161-24.4	119-53.5N
	1010	LORAN		19-49.5N
4.	1137			. 5
5.	1335	LORAN	161-50W	19-43.0N
	1940	LORAN	162-26W	18-27.0N

DATE 305ept 1964

Time at sunrise = 0647Position at sunrise = 18-58.0 $\times 163-55.0$ $\times 163-55.0$

Time at sunset = 1850 Position at sunset = 17-53.0N 165-17.0W

Miles traveled from 0000 hours to sunrise = 52

Miles traveled from sunrise to sunset = 106

Miles traveled from sunset to 2400 hours = 46

	TIME OF FIX	TYPE OF FIX	LONGITUDE LATITUDE
1.	0800	LORAN	164-01.0W 18-56.0N
	0933	LORAD	164-14W 18-51N
		LORAN	164-19,5W 18-47,5N
	1010	LORAN	164-27 000 100
4.	1115		164-27.0W 18-40.0N
5.	1400	LORAN	164-41.00 18-27.0N
6.	1905	LORAN	165-18000 17-51.0N
	,	1 -1	

DATE 10CT 64

Time at sunrise = 0702 Position at sunrise = 16-32.00 166-39.00

Time at sunset = $\frac{15-39.00}{1901}$ /67-42.00

Miles traveled from 0000 hours to sunrise = 65

Miles traveled from sunrise to sunset = 88

TIME OF FIX	TYPE OF FIX	LONGITUDE LATITUDE
1. 0740	LORAN	166-40.00 16-30.0N
2. 1020	LORAN	166-56.00 16-14.0 N
3. 1115	LORAN	167-05.0W 16-06.0N
	LORAW	167-30.0W 15-41.0N
4. 1445	LORAN	167-45.0W 15-24.0N
5. 1907		168-02:000 15-08.0N
6. 2135		

DATE 9 CCF 64

Time at sunrise = 8706Position at sunrise = 14-660 169-70.00 Time at sunset = 1906Position at sunset = 1508.00 169-37.00

Miles traveled from 0000 hours to sunrise =68

Miles traveled from sunrise to sunset = /c5

	TIME OF F		LONGITUDE L	ATITUDE
1.	0734	LOKAN	169-12:00	14.04.00
			169-25.0W	13-55.00
	0945	LORAN SCEL	16 9- 27.5W	13-53.01
	1.00	LORANTCEL	169-32.00	1400.0N
4.	1130	LOKA	169-34.00	1 115 03
5.	1605	LORANTCEL	169-37.00	
6.	1940	CELESTIAL	167	

Time at sunrise = 0705 Position at sunrise = 16-35 \sim 165-32 \sim

Time at sunset = 1914 Position at sunset

Miles traveled from sunrise to sunset = 108

Miles traveled from sunset to 2400 hours = 46

TIME OF FIX TYPE OF FIX

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE	
7	0650	VISUAL	169-31W	16-38 N	
		LORAN YCEL	169-35W	16-17 N	
	0930		169-40w	16-02N	
3.	1102	12 11			
	1	11 11	169-58 W	15-08 N	
1+ "	1647		150	14-51 N	
5.	1933	CELESTIAL	. 110-11 w		
6.					

Time at sunrise =0708Position at sunrise = 15-23N 169-40W Time at sunset = 1913Position at sunset = 14-32 N 171-13 W

Miles traveled from 0000 hours to sunrise

Miles traveled from sunrise to sunset =

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
	0630W	CELESTIAL	169-37W	15-21.00
0	0917006	ORANTCEL	169-58W	15-31.0 N
2.		1 ARADACEL	170-16w	15-29.0N
3.	10 22 W	LORANACEL	170-49W	14-58.0 N
4.	1510W	LORAN +CEL	120-54W	14-54.0N
5.	1704W	LORANGEL		14-27-01
-	1830W	CELESTIAL	176-1700	

DATE 5 00 4 64

Time at sunrise = 0.72/ Position at sunrise = 13-4/1.00 1.72-470

Time at sunset = 1915 Position at sunset = 14-444.0 172-28 ω

Miles traveled from 0000 hours to sunrise = 64

Miles traveled from sunrise to sunset = 80

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
٦	0700	CELESTIAL	172-45W	13-40-0N
		LORAN Y CEL	172-5/W	13-57.00
2.	0921		172-57W	14-04.0N
	1115	LORAN & CEL		
		10 11	172-38.00	14-21,0N
4.	1335		7	014-38,0N
_	1642		172-33.00	2 7 . D. W
			178-25.01	w 14-47.0N
	1940	(ELBSTA)	114	

DATE 6 oct 60

Time at sunrise = 07/4 Position at sunrise = 1603.00 171.09.04

Time at sunset = (9/4) Position at sunset = (6-12.00) 17/-50.00

Miles traveled from 0000 hours to sunrise = 67

Miles traveled from sunrise to sunset = 98

Miles traveled from sunset to 2400 hours = 35

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0645	CELESTIAL		16-03.0N
	1130	CEL + LORAN		16-26.0N
	1518	10	171-23.0W	16-34,0N
		CELESTIAL	171-53.04	0/6-10.0N
4.	1940		•	

5.

= 14-57.0N 173-16-0W Time at sunrise = D720 Position at sunrise

Time at sunset = 1920 Position at sunset = 15-24.0 N 173-59.0 W

= 65 Miles traveled from 0000 hours to sunrise

Miles traveled from sunrise to sunset = 104

= 39 Miles traveled from sunset to 2400 hours

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0700			W15-00.0N
	0945	11	173-27	OW 14-45.0N
		11	173-46.	0W14-43-0N
	1320		174-00	.0w-1455,0N
	1507	7 /	173-55	Tow 15-27.0N
5.	1953	CELESTAPL	1	
6.				

Time at sunrise = 6792 Position at sunrise = 16-34.0 172-49.0 000 Time at sunset = 166 Position at sunset = 16-55.0 171-38.0

Miles traveled from 0000 hours to sunrise = 58

Miles traveled from sunrise to sunset = 75

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0700	CEL+ LORAN		W 16-32.0N
	1058	CEL + LORA.		.ow 16-45.00
	1628			2.0W 16-56.0N
	1724	11 10	171-44	.0w 16 55.0N
	1930			.ow 16-55.0N

DATE 9 oct 64

Time at sunrise = 071/Position at sunrise = 16-558.001/70-18.000

Time at sunset = 1855 Position at sunset = 17-17.0N 168-42.0W

Miles traveled from 0000 hours to sunrise = 46

Miles traveled from sunrise to sunset = 96

Miles traveled from sunset to 2400 hours = 50

TIME OF FIX	TYPE OF FIX	LONGITUDE LATITUDE
1. 0650	Celestial	170-20.0W 16-57.0W
2. 0948	Loran	169-59.000 16-58.0N
3. 1125	Recolor	169-46.0W 16-54.0N
	Roder	168-28.0W 16-58.0N
4. 1340		168-37.0W 17-18.0N
5. 1920	Celesteal	
6.		

DATE 10 00 64

6.

Miles traveled from 0000 hours to sunrise = 69

Miles traveled from sunrise to sunset = 96

	TIME OF FIX	TYPE OF FIX	LONGITUDE LATITUDE
1.	0635	Celestial	166-49.0W 17-58.0N
	0935	CEL & LORAN	166-23.00 18-08.00
	1020	60 10	166-15.00 18-15.00 18-15.00
	1107	11	166-0510W 18-1510W
	1910	Celestial	165-07.0W 18-37.0W

DATE 11 oct 64

Time at sunrise = 064(Position at sunrise = 19-11.0) 163-15.0

Time at sunset = 1826Position at sunset = 15-50.0 161-24.0 ω

Miles traveled from 0000 hours to sunrise = 65

Miles traveled from sunrise to sunset = //2

Miles traveled from sunset to 2400 hours = 57

	TIME OF FIX	TYPE OF FIX	LONGITUDE LATITUDE
1.	0630	Celestial	163-18.0W 19-09.0W
	0940	CEL +LORAN	162-49,000 19-22,000
	1115	26	162-34.0W 19-27.0W
-	1236	1 = ()	162-17,000 14-34,000
	1450	(t , t	161-58.0W 19-37.0W
7		Celestial	161-17.00 19-51.000
6.	1900	7	

DATE 12 00 164

Time at sunrise = 0666 Position at sunrise = $20-29.00 \times 159-30.00$

Time at sunset = Position at sunset =

Miles traveled from 0000 hours to sunrise = 5

Miles traveled from sunrise to sunset = 93

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0605	RETESTIAL	159-26a	20-29 W
2.	0935	LORAN	158-53 W	30-44.N
3.	11.00		158-38,00	1 . 10 /
4.	1242	VISTRD	158-18.00	
	1314	VIS YRD	158-15.04	21-03.00
6.				

	, 1		1 5	CY CONDI	MICH			2000 CO A DICE ACT			WIND	5.7	production .		/	OFONE	
mpk.	! !	LONG.	TUTA		LOFEST	PRES WX.	VIS.	TEMP	W.B.	R.H.	DIE	L'E e		GHI HOT -	FER	OZONE PPHM	SEA
100	e				polymo Divo							\$11° O-0008	randa)	W 836			
1200		C 8		o) is dang				CERTIFICATION OF THE PROPERTY	3)								
7500							September 1		WALLS	PROPERTY SERVICES							
400	See See Street	Notice		en porto azultura p jami		nessenso a	4	1.millionerskip	GETAGORICANO TAGO POLICIAN								
9500													40 00				
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00.	210 13	158 10															
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1200	_1 05	5* 17															
7 700	21 01	15/20								mb day room							-
		158.1		CU/AS	2000	- Barrier Fall Ballon	10	81.0	73.0	69	070	22	080	03	06	•25	79.0
		158"35		CU/AC	2000		10	81.0	72.0	64	063	20	070	03	03	•2	79.0
600	2050	rest will	•3	CU	2000		10	84.0	76.0	69	063	20	070	03	06	•2	79.0
1700	20'45'	158 55	•2	CU	2000		10	86.0	76.0	63	071	15	070	03	06	.15	79.0
800	2= 1	15701	•2	CU	2000		10	85.0	75.0	63	062	10	060	03	06	.55	79.0

DATE 28 SEPTEMBER 1964 (W)

265	CALD SECTION AND	Commission of the second	DEPARTMENT OF THE PARTY OF THE	MINISTER .						4	NAMES AND ADDRESS OF THE OWNER, OF THE OWNER, OF THE OWNER, OWNER	STREET, SQUARE, SQUARE	Carrie Commence	MANAGEMENT AND DESCRIPTIONS	CONTRACTOR VALUE		
			97	CONDIT	ION			A			WIND	SFC.	SEA	STATE			
Time	TAT	TONG	TOTAL	THE STREET STREET	LOWEST	PRES WX.	, VIS.	The second secon	the last of the la	R.H.	DIR.	ets. Spred	DIR.	GHT GHT	PER.	OZONE PPHM	SKA TEMP
LINE BOOK OF	SHOW SHOULD SHOW	CHEROSENSKI CHECK	2	CU	2000		10			62	078	16	060	03	06	•55	79.0
	20.0	159.4	•3	CU	2000		10	82.0	73.0	65	098	19	080	03	06	•5	79.0
- DANS PROPERTY		Sakap Still - 25 IV	•3	CU	2000		10	80.0	72.0	68	069	27	060	03	06	•2	78.0
To Due to the	make a manuscriptor the	159-48	•3	CU	2000		10	80.0	72.0	68	070	26	060	03	06	•15	77.0
A PROPERTY OF STREET		australia de la companio	•3	CU=	2000		10	80.0	72.0	68	070	21	060	03	06	•5	77.0
Anna Committee	module the State Market	MD, 32 p 1-2 40 15	•3	CU	2000		10	80.0	71.0	64	070	21	060	03	06	•5	79.0
	1900 2000 2100	IMR IAT. 1900 20 37 2000 20.0 21000 20.26 2300 20.26	IMR IAT IONG 150 150 150 150 150 150 150 150 150 150	IME LAT. LONG. AMT. 1900 20 37 59 15 -2 2000 20.0 159.4 .3 21000 20-26 159.4 .3 2300 20-26 159.4 .3	IMR IAT. IONG ANT. TYPE 1900 20 37 59 15 -2 CU 2000 20 0 159 4 3 CU 2100 20 24 159 48 3 CU 2300 30 CU 31 CU 32 CU	SKY CCADITION TOTAL LOAKST HEIGHT AMT TYPE HEIGHT 1.000 2000	SK CONDITION 1MR IAT. IONG ANT. TYPE HEIGHT FRES WX. 1900 20 37 59 15 -2 CU 2000 2000 20 6 159 4 3 CU 2000 2100 20 20 20 159 4 3 CU 2000 2200 20 20 20 20 20 20 20 20 20 20 20 20	SKY COMPUTION TOTAL LOWEST HEIGHT HEIG	SKY CONDITION TOTAL TYPE LOSIST PRES WX. VIS. D.B.	SKY COMPITION TOTAL TYPE HEIGHT PRES WX. VIS. D.B. V.B.	SKY CONDITION TRAPERATURE TOTAL AMT. TYPE HEIGHT PRES WX. VIS. D.B. V.B. R.H.	MR	SIC CONDITION TOTAL LOWEST HRIGHT HRES WX VIS. Do. Bo Wob. Roth DIR. SPEED	IMR IAT. IONG ANT. TYPE HEIGHT PRES WX VIS. D.B. V.B. R.H. DIR. SPERD DIR.	SKY CONDITION TOTAL LORIST PRES MX VIS D.B. M.B. R.H. DIR SPERD DIR GHT	No. No.	NEW 1AT 10NG AMT TYPE HRIGHT PRES WX VIS DoB Wob Robe R

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		30		يري المهدارية مصرف مع م	SON DOM TO THE TOP OF THE PROPERTY OF								personal of the latest	manuscreen -		<u> </u>	all.
			- to a sense	Y CONDI	CATTORN MINING MANAGEMENT		9,000	(En't) 4 Fart	7=====================================		VIND	DOTAL - I d'age	SFA	STATE	3		
THE	TAT-	LONG	TOTAL	TYPE	LOWES 1	PRES WX.	VIS.	TEMPE D.B	W.B.	R.H.	DIR	Speed.	DIR.	e Gua	PER	OZONE PPHM	SEA
12,00			•3	CU	2000		10	81.0	72.0	64	070	21	060	03	06	.15	79.0
1200	20.5	160.2	•3	CU	2000		10	81.0	72.0	64	070	22	080	03	06	.1	79.0
1300	20,5	60.15	.4	CU/AC	2000		10	81.0	72.0	64	070	21	060	03	06	•5	79.0
	20,4	1	.6	CU/AC	2000		10	80.0	72.0	68	080	17	055	03	06	.15	79.0
		40,45	.6	CU/AC	2000		10	80.0	73.0	72	076	14	060	03	06	•5	79.0
0500	100,12	47.55	.6	CU/AC	2000		10	82.0	74.0	75	074	16	060	03	06	.8	78.0
0700	20.4	60 59	.6	CU/AC	2000		10	79.0	72.0	71	064	23	060	06	09	•4	79.0
0800	20.1	161.0	•9	CF/AC/	1800		10	77.0	71.0	75	064	21	060	06.	09	•4	79.0
0800	19 59	.1.14	• 7	CF/AC/	1800		10	83.0	74.0	69	068	18	060	06	09	.15	79.0
1000	11 53	23	• 7	CF/AC/	1800		10	83.0	74.0	69	068	18	060	06	09	*8	79.0
1500	19'31	41.31	• 7	CU/AC/	2000		10	84.0	74.0	62	060	15	060	06	09	.8	79.0
1200	19 41	11139	•7	CU/AC GI	2000		10	84.0	74.0	62	060	15	060	-06	09	.8	78.0
		11.147	• 7	CU/AC/	2000		10	85.0	75.0	63	060	15-	060	06	09	.75	78.0
1400	19.5	161.7	•9	CU/AC	2000		10	84.0	74.0	62	064	15	070	04	08 -	.75	78.0
1500	19.35	12.02	.6	Cu/AC	2000		10	84.0	74.0	62	064	15	070	- Oh	08	6	78.0
1600	The state of the s	62.09	.6	CU/AC	2000		10	84.0	72.0	55	064	12	070	Olt	08	.65	78.0
1700	19.29	62.16	.6	CU/AC	2000	A 14034	10	84.0	72.0	55	076	11	070	OLL	08	• 7	79.0
1800	14.26	63.21	.6	CU/AC	2000		10	83.0	72.0	63	082	11	070	OL	08	•7	79.0

DATE 29 SEPTEMBER 1964 (W)

The Party and Pa										SURESTANDAMENTON NAMED IN	Distriction of Street, Square,			-		
		PIP.	CONDIT	ION			8			WIND	, SFC.	SEA	STATE			
T.AT.	IONG.	TOTAL	CAMPAGE STREET	LOWEST	PRES WI	, VIS.	And in contrast of the same of	Annual Control of the	ReHe	DIR.	KIS. SPEED	DIR.	GKT	PER	OZONE PPHM	SEA TEMP
Mary Town Color Service Servic	-(-	American Indian Manager of	CU/AC	2000		10	82.0	70.0	69	070	8	070	04	08	.8	79.0
19.美	162.5	.8	CU/AC	2000		10	82.0	70.0	69	085	17	070	04	08	.8.	79.0
		•.7	CU/AC	2000		10	82.0	70.0	69	085	17	070	04	08	.8	79.0
SACESTA CHARLES	e a constitue de la constitue de	•7	CU/AC	2000	an consideration and security	10	80.0	70.0	61	075	16-	070	04	08	.8	79.0
	a storega orazi (sicola Stori)	7	CU/AC	2000		10	80.0	73.0	72	060	16	070	04	08	.6	79.0
		.7	CU/AC	2000	NE BEEF BOTH COLUMN	10	80.0	73.0	72	060	16	070	04	08	.35	79.0
The same of the sa	19.26	19.26 62.26	IAT. IONG. AMT. 19.34 62.5 .8 19.7 -7	IAT. IONG. AMT. TYPE 19.24 6.6 CU/AC 19.35 162.5 .8 CU/AC .7 CU/AC .7 CU/AC .7 CU/AC .7 CU/AC	IAT. IONG. AMT. TYPE HEIGHT 19.26 6.2.26 6.6 CU/AC 2000 19.35 162.5 8 CU/AC 2000 .7 CU/AC 2000 .7 CU/AC 2000 .7 CU/AC 2000	IAT. IONG. AMT. TYPE LOREST HRIGHT PRES WX. 19.34 162.5 .6 CU/AC 2000 19.34 162.5 .8 CU/AC 2000 .7 CU/AC 2000 .7 CU/AC 2000 .7 CU/AC 2000	IAT. IONG. AAT. TYPE LOGEST HEIGHT PRES NX. VIS. 19.26 6.6 CU/AC 2000 10 19.26 162.5 .8 CU/AC 2000 10 2000 .7 CU/AC 2000 10 2000 .7 CU/AC 2000 10 2000 .7 CU/AC 2000 10	IAT. IONG AMT. TYPE LOGEST HEIGHT PRES MX. VIS. TEMER Do.B. 19.24 6.6 CU/AC 2000 10 82.0 19.25 162.5 8 CU/AC 2000 10 82.0 19.25 .7 CU/AC 2000 10 82.0 19.25 .7 CU/AC 2000 10 80.0	IAT. IONG. AMT. TYPE LOIEST HRIGHT PRES MX. VIS. TEMPERATURAL D.B. 19.24 6.6 CU/AC 2000 10 82.0 70.0 19.25 162.5 .8 CU/AC 2000 10 82.0 70.0 19.25 .7 CU/AC 2000 10 82.0 70.0 19.26 .7 CU/AC 2000 10 80.0 70.0 19.26 .7 CU/AC 2000 10 80.0 70.0	IAT. IONG. AMT. TYPE HETCHT PRES NA. VIS. TEMPERATURA D. B. R. H. 19.1 1.2.2 .6 CU/AC 2000 10 82.0 70.0 69 19.2 162.5 .8 CU/AC 2000 10 82.0 70.0 69 AMT. .7 CU/AC 2000 10 82.0 70.0 69 19.2 .7 CU/AC 2000 10 80.0 70.0 69 19.2 .7 CU/AC 2000 10 80.0 70.0 69 19.2 .7 CU/AC 2000 10 80.0 70.0 61 19.2 .7 CU/AC 2000 10 80.0 73.0 72	IAT. IONG AMT. TYPE ICGEST HRIGHT PRES NX. VIS. TEMPERATURU D.B. No.Bo RoHo DIR. 19.35 162.5 .6 CU/AC 2000 10 82.0 70.0 69 085 19.35 162.5 .8 CU/AC 2000 10 82.0 70.0 69 085 19.36 .7 CU/AC 2000 10 82.0 70.0 69 085 19.36 .7 CU/AC 2000 10 80.0 70.0 69 085 19.37 .7 CU/AC 2000 10 80.0 70.0 61 075 19.38 .7 .7 .7 .0 .7	IAT. IONG. AMT. TYPE ICOREST REIGHT PRES MX. VIS. TEMPRATUR D.B. R.H. DIR. SPEED 19.2 6.6 CU/AC 2000 10 82.0 70.0 69 070 8 19.2 162.5 .8 CU/AC 2000 10 82.0 70.0 69 085 17 AMT. .7 CU/AC 2000 10 82.0 70.0 69 085 17 AMT. .7 CU/AC 2000 10 80.0 70.0 69 085 17 AMT. .7 CU/AC 2000 10 80.0 70.0 61 075 16 AMT. .7 CU/AC 2000 10 80.0 73.0 72 060 16	IAT. IONO. AMT. TYPE LOJEST HEIGHT PRES NX. VIS. TEMPE ATURD Do B. W.B. R.H. DIR. SPERD DUR. 19.2 1.2.1.2 .6 CU/AC 2000 10 82.0 70.0 69 070 8 070 19.2 162.5 .8 CU/AC 2000 10 82.0 70.0 69 085 17 070 19.2 .7 CU/AC 2000 10 82.0 70.0 69 085 17 070 19.2 .7 CU/AC 2000 10 80.0 70.0 69 085 17 070 19.2 .7 CU/AC 2000 10 80.0 70.0 61 075 16 070 19.2 .7 CU/AC 2000 10 80.0 73.0 72 060 16 070	IAT. IONG AMT. TYPE LOEST HRIGHT PRES NX. VIS. D.B. V.B. D.B. V.B. D.B. V.B. DIR. SPEED DIR	TOTAL AMT TYPE HRIGHT PRES NO. VIS. D.B. V.B. R.H. DIR. SPERD DIR. CHT PRES NO. VIS. D.B. V.B. R.H. DIR. SPERD DIR. CHT PRES NO. VIS. D.B. V.B. R.H. DIR. SPERD DIR. CHT PRES NO. VIS. D.B. V.B. R.H. DIR. SPERD DIR. CHT PRES NO. VIS. D.B. V.B. R.H. DIR. SPERD DIR. CHT PRES NO. VIS. D.B. V.B. R.H. DIR. SPERD DIR. CHT PRES NO. VIS. D.B. V.B. R.H. DIR. SPERD DIR. CHT PRES NO. VIS. D.B. V.B. D.B. D.B. V.B. D.B. V.B. V.B. V.B. D.B. V.B. V.B. D.B. V.B. V.B. V.B. D.B. V.B. V.B. V.B. D.B. V.B. V.B. V.B. V.B. D.B. V.B. V.B. V.B. V.B. V.B. V.B. D.B. V.B. V.B. V.B. V.B. V.B. V.B. V.B.	TOTAL TYPE HEIGHT PRES NX VIS D.B. V.B. DIR SPEED DIR DI

			5	or coant	and the second of the second o			n-mark	enno mettori		· WIND,	SFT.	SEA.	-	- Ten all	OZOME	CITTIA
TIME	taT.	LONG.	TOTA		LOWES I	PRES WX.	VIS.	TEMPE D.B	RATURI W.B.	R.H.	DIR	SPEED		HEL- GHT	FPER.	OZONF PPHM	SEA. TEMP
9100		governmentendentententententententen	.6	CU/AC	2000		10	80.0	72.0	68	060	17	070	OF	08	•3	79.0
1200	19.1	163.3	.6	CU/AC	2000		10	80.0	72.0	68	070	17	070	04	08	.65	79.0
		16.3.14	.6	CU/AC	2000		10	80.0	72.0	68	070	15	070	OH	08	•5	79.0
		163.24		CU/AC	2000	9	10	83.0	71.0	55	067	16	060	04	08	.6	79.0
0500		430	.6	CU/AC	2000	10	10	82.0	71.0	55	103	19	060	04	08	•7	79.0
		163.44	.6	CU/AC	2000		10	80.0	70.0	61	084	15	055	04	08	• 7	79.0
		163.54		CU/AC	2000		10	78.0	71.0	71	085	21	060	04	08	.7	79.0
0800	18:56	152.3	•9	CF/CU	2000	R	10	81.0	74.0	72	090	23	070	05	08	•75	79.0
0900	14,52	14.10	•7	CU/AC	2000		10	83.0	75.0	69	081	17	070.	05	08	•75	79.0
7,000	12.47	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•4	CU/AC	2000	ř	10	81.0	74.0	72	081	20	070	05	08	.5	79.0
(a)	1. 40	144.25	•4	CU/AC	2000		10	80.0	74.0	75	075	24	C60	05	08	-4	79.0
1200	14.35	164.30	•4	CU/CI	2000		10	80.0	74.0	75	075	24	060	05	80	1.0	80.0
2,300		164.35	.4.	cu/cI	2000	Alexandria (Section 2004)	10	80.0	74.0	75	072	24	060	05	08	.8	80.0
rlico	-18-6	(4,41	•2	CU/CC	2000	3	10	80.0	73.0	72	073	19	080	06	08	.8	79.0
1500	11 37	14440	•3	CU/CC	2000	42	10	80.0	72.0	68	072	21	060	06	c8	.8	80.0
1600	1751	64.51	.4	CU/CI	2000		10	84.0	73.0	59	064	13	0/10	05	08	.8	80.0
1700	17 38	164.56	•4	CU/CI	2000		10	84.0	72.0	55	070	16	080	04	08	.8	79.0
7800	17 27	145%	.8	CF/CU	1000	The same of the sa	10	83.0	72.0	55	070	18	080	04	08	•75	79.0

30 SEPTEMBER 1964 (W)

-	_		_	1							_						
			915	COMPLET	TON I					. 1	WXND	SHARE	_	STATE		200	C) T)
TUE	T-4.75	LONG	TOTAL		HEXCHT	PRES MI.	VIS	D.B.	THE RESERVE OF THE PARTY OF THE	R.H.	DIR	SPEED	DTR.	GHI.	FER	OZCNE PFAM	ST
		165,18	_	CF/CU	1000		10	83.0	72.0	55	070	17	080	04	08	•5	79.0
2000	778	7.13		CF/CU/AC	1000		10	79.0	75.0	83	070	17	080	05	08	.85	79.0
21,000		5 = 32	.7	CF/CU/A	1000		10	80.0	74.0	75	068	19	080	05	08	.8	79.0
2200		28	.8	CU/AC	2000		10	80.0	74.0	75	073	18	080	05	08	.8	79.0
2300		1/4	.8	CU/AC	2000		10	80.0	74.0	75	075	17	080	05	08	.8	79.0
2100		R6-50	0	CU/AC	2000		10	80.0	74.0	75	071	18	080	05	08	.75	79.0

			416004	KY CONDIT	TON		1	THE ARBEAN OF THE			WIND,	Sic	PART OF THE PARTY OF THE PARTY.	STATE	E STREET ALZEN	00000	CTTIN
TIME	TAT	LONG	TÖTA		LOWEST HEIGHT	PRES WX.	, VIS.	TEMPI D.B	RATURA W.B.	E R.H.	DIR	speed	DIR.	GHT	PER.	OZONE PPHM	SEA TEMP
	1.57 % 8	300000	6	ST	1800	SWANDS COM TO VIOLENCE TO SET SERVENCE	10	78.0	70.0	67	070	9	080	05	08	•75	79.0
07,00	17.4	Attority of the State of the St	0.000 St of the	CF/CU/AC	1000	LTNG & RW	10	79.0	74.5	81	090	15	080	05	08	• 7	79.0
0300	17.0	66,	.8	CU	1800	RW	10	78.0	69.0	64	069	12	080	05	08	•7	800
0).00	16, 5	.,.15	.8	CU	1800	RW	10	77.0	70.0	70	045	15	080	05	08	•5	80.0
	17	1.21	.8	CU	1800	RW	10	76.0	73.0	87	074	19	080	05	08	•4	80.0
1	_	,1,29	.8	CU	1800	0.0.3	10	77.0	73.0	83	070	26	080	05	08	.8	79.0
. 0750		vi 35	• 7	CU	1800		10	76.0	72.0	83	065	25	080	05	08	.85	79.0
5800		166.5	•9	CF/AC	1500		10	77.0	72.6	81	050	22	070	05	08	.8	79.0
7900	11,20	44.51	•2	CU	2500		10	82.0	76.0	76	086	18	070	03	06	65	80.0
		67.00	.1	CU	2000		10	82.0	75.0	72	094	18	070	03	06	.6	80.0
1100			.1	CU	2000		10	82.0	75.0	72	086	18	070	03	06	•6	80:0
		17.12	•2	CU	2000		10	82.0	75.0	72	084	19	070	03	06	.6	80.0
		7.18	•2	CU	2000		10	82.0	75.0	72	066	23	070	03	06	•55	80.0
		167.2	•7	CU/AC/C	1800		10	81.5	76.0	77	110	11	070	03	06	•45	80.0
1500	15 # 2	67.2	.2	CU	2000	e e	1 0	82.0	75.0	72	083	18	070	03	06	.45	80.0
1600	15,5	- 152	•2	CU	2000	Calculation of the Calculation o	10	82.0	75.0	72	074	17	070	03	06	.45	80.0
1700	15130	4.38	•2	CU	2000	and the same of th	10	82.0	75.0	72	074	16	070	03	06	•4	80.0
1800	15,26	67 141	.3	CU	1800		10	82.0	75.0	72	074	22	070	03	06	.4	80.0

DATE 1 OCTOBER 1964 (W)

W

Contract Con	NAME OF TAXABLE PARTY.	CONTRACTOR OF	4200							AMERICAN CONTRACTOR OF THE PARTY OF T	HERMANICA STATISTICS	THE REPORT OF THE PARTY OF	entransportation	DESCRIPTION OF REAL PROPERTY.		
		SK	Y CONDIT	TON			c			WIND	. SFC.	Consumer and the second	District the section of	parameter trap		
LAT	LONG.	TOTAL	TYPE	LOWEST HEIGHT	PRES WX.	VIS.	STATE OF THE PARTY	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND	R.H.	DIR.	KTS. SPEED	DIR.	HEI- GHT	PER.	OZONE PPHM	SEA TEMP
barrencomend.	Desirate with a property lies	THE RESTRICTION OF THE PARTY OF	CU	1800		10	82.0	74.0	69	074	16	070	03	06	•11	80.0
		.7	CU/AC/C	s 1800		10	80.2	74.8	78	070	14	070	03	06	•4	79.0
		•4	CU =	2500		10	83.0	77.0	76	060	19	070	03	06	.4	79.0
THE REAL PROPERTY OF THE PARTY	168-02	-4	CU	2500		10	81.0	76.0	80	060	20	070	03	06	•4	79.0
	-	.2	CU	2500		10	82.0	76.0	76	073	18	070	03	06	-71	79.0
		•2	CU	2500		10	82.0	76.0	76	072	16	070	03	06	•4	79.0
	15.22 15.13 15.08	LAT. LONG. 15.22 67.44 15.4 167.8 67.49	LAT. LONG. ANT. 15.22 67.44 .3 15.4 167.8 .7 15.18 67.49 .4 15.08 168.02 .4 .2	LAT. LONG. AMT. TYPE 15.22 67.44 .3 CU 15.4 167.8 .7 CU/AC/C 15.4 167.8 .4 CU 15.4 CU 15.4 CU 2 CU	IAT. IONG. AMT. TYPE LOGIEST RETGRT	SKY CONDITION TOTAL TYPE LOWEST PRES WX. 15 · 22 17 · 44 · 3 CU 1800	IAT. IONG. AMT. TYPE HETGAT PRES NX. VIS. 15.22 17.44 .3 CU 1800 10 10 10 15.44 167.8 .7 CU/AC/CS 1800 10 10 10 10 10 10 10	1AT 10NG AMT TYPE HEIGHT PRES WX VIS D.B.	SK CCAPULTION TOPAN AMT. TYPE RETOMT PRES WX. VIS. D. B. W. B. B.	SK CONDITION TOTAL TYPE LOJEST PRES W. VIS D.B. V.E. R.H.	SKY CONDITION WIND TOTAL TYPE HEIGHT PRES WX VIS D.B. W.B. R.H. DTR.	Name	Second S	Second S		SICONDITION NIND SFC. SEA STATE OZONE SEA STATE OZONE SEA STATE OZONE SEA STATE SEA STATE

			terior mark	MY CONDI	A STATE OF THE PARTY OF THE PAR			FEG. 49-5. (A. 574%)-14	American and a	79	WIND.	SPO	THE PERSON NAMED IN COLUMN	SMATTE	PRINCIPAL PROPERTY AND ADDRESS OF		CTOA
DIME	LAT	LONG.	TOTA AAT	2 ,	LOWEST	PRES WX	. VIS.	D.B	RATURI W.B.	R.H.	DIR	SPEED	DIR	CH:	PER	OZONE PPHM	SEA TEMP
)//00		yunisyli ti	.2	CU/AC	2000		10	84.0	78.0	76	070	7	070	03	06	-4	80.0
200	14.9	168.3	•4	CU/AC	2000		10	80.0	75.0	79	070	13	070	03	06	•71	79.0
3300		NAME OF THE PARTY	•2	CU/AC	2000	.m .m1	10	84.0	78.0	76	060	15	070	03	06	• 4	80.0
71.00		erioden auswersen sich der Promote	.6	CU	3000	Charles Control (Control Control Contr	10	81.0	77.0	84	061	14	070	03	06	-4	80.0
0500			•3	6u	2000	the contract of the contract o	10	81.0	77.0	84	060	13	070	03	06	•4	80.0
0600			• 2	CU	2000	(a. wing research	10	81.0	77.0	84	074	15	070	03	06	•4	80.0
	14.06	169.10	-4	cu/cs	1800		10	81.0	77.0	84	082	13	070	03	06	•4	79.0
0600	14.02	169	• 7	cu/cs	2000		10	79.0	77.0	90	970	15	070	03	06	-4	79.0
0900	1 3	2.0	.8	CU/	1800		10	81.0	77.0	84	080	12	070	03	06	•4	80.0
		11,1,,35	. 8	CU	1800		1 0	83.0	77.0	76	080	12	070	03	06	M	80.0
1100	- 55	14.27	.8	CU	1800		10	83.0	77.0	76	080	15	070	03	06	M	80.0
1200	14 3	3	.8	cu/cs	2000		10	82.0	77.0	81	066	11	070	03	06	M	80.0
300	14 15	3	.8	CU/CS	2000	and the same of th	10	82.0	78.0	84	063	12	070	03	06	M	80.0
1,00	1426	169.4	•9	cu/cs	2000		10	82.0	78.0	84.	090	14	070	03	-06	M	79.0
1500	14.37		.8	Cu/CS	2000		10	81.0	77.0	04	073	12	070	03	06	M	80.0
1600	14.47	149,34	•9	Cu/Cs	2000		10	81.0	77.0	84	076	14	070	03	06	.6	80.0
		1 ,3.	.8	Cu/Cs	2000		10	81.0	77.0	84	076	15	070	03	06	•6	80.0
1800	5 2	9.35	.8	Cu	2000		10	80.0	75.0	79	078	19	070	Ojt	08	•6	80.0

DATE 2 OCTOBER 1964 (W)

			Sk	y CONDIT	ION						WIND, SFC.		SEA STATE				
TIME	LATo	LONG.	TOTAL AMT.	OF THE OWNER OF THE OWNER, THE OW	LOMEST HEXCHT	PRES WX	. VIS.	Scored control was an experience	RATURI W.B.	R.H.	Section Control of the Control of th	KIS. SPEED	DIR.	HEI- GHT	PER	OZONE PPHM	SEA TEMP
1900	15,10	01001	.8	Cu	2000		10	80.0	75.0	79	076	20	070	04	08	•6	80.0
2000	15.5	169.57	•9	Cu/Cs	1800	RW	10	80.0	75.8	72	090	16	070	04	08	.6	79.0
27.000	and the same of	CONTRACTOR STATE AND ADDRESS OF THE PARTY OF		Cu/	1800		10	80.0	78.0	91	076	20	070	04	08	.6	79.0
2200	Marie and the second	Marie Service and Marie Service Servic	•4	Cu	1800		10	80.0	78.0	91	075	18	070	04	08	.65	79.0
2300	15.38	36	•4	Cu	1800		10-	80.0	75.0	79	075	18	070	04	08	•7	79.0
21:00	1546	35	.3	Cu	2000		10	80.0	75.0	79	086	15	0,70	04	08	.8	79.0

SI-MNH-955b Rev. 4-9-64

DATE 10164

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA CLIMATOLOGICAL DATA

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100															
0200															
0300					 										
0400									transport of the Control of the Cont						
0500				1					The second secon			The same the same same and			
0300 0400 0500 0600										and the state of t					
0700	16-20	166-39						Control of the Contro	en de la company						20/10
0700 0800	- 11	-45													22/08
0900	- 1	-51								en la proposition de la company de la compan	A PARTY OF THE PAR				
1000	100	-56													
1100	~ //2	47-02													
1200	- 05	eu#													
1300	15 - 54	- 14									(
1400 1500 1600	-	-19													
1500	0 14 77	- 25											130		
1600	_ 3	1000													
1700	- 3/4	-36							American - to a training recent and the training american state and a space and the analysis are sufferential						
1800	- 32	m peril													
1900	15-29	167-40.													
2000															
2100															
2200															
2300															
2200 2300 2400															
1	REMARK	S:					,			a Tarakin magamayan yang mendipi kandiga kanayin maggasa ya di kana			· · · · · · · · · · · · · · · · · · ·		

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955b Rev. 4-9-64

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA CLIMATOLOGICAL DATA

DATE 2 Oct 64

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL'SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100															
0200															
0300															
0400															
0500									And the second s						
0200 0300 0400 0500 0600								and the same of th							
0700	14-06	169-10							and annual or of the algebraic and supervised and expellent	A THE STATE OF THE					23 08
0700 0800										and any other land, for a completion and the complete com	alman Sungakhinin Sugar Sungah Jawa Sungan Sungah Sungah Sungah Sungah Sungah Sungah Sungah Sungah Sungah Sung				
0900								Artina and Artina and Artini Artinia and Artinia and Artinia and Artinia and Artinia and Artinia and Artinia a	the contract of the contract o						
1000	13-03								Company Company of Com						
1100	13-152														,
1200	14-06														32/05
1300 1400										Control of the Control of Control					
1400								O CONTROL CONT							
1500															
1500 1600															
1700 1800							·								
1900	15-08	169-37													
2000	15	37													
2100	22	37													
2100	29	37													
2300 2400	36	34													
2400	44	24													
	REMARK	S:													

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

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110		M)
Ma	2	1-4

			#4410/30%# ·	Y CONDIT	יישואי ייבווען.	440	Control		2012 t 275 -		wind,		SEA STATE			0703711	CITOR
2348	IAT.	LONG.	TOTAL		LOWES I	PRES WX.	VIS.	TEMPER D.B.	4 pull-collections in	R.H.	DIR.	SPEED_	DIE	GH"	PER	OZONU PPIM	SEA TEM
. 1100	15-52	169-25	.3	Cu	2500		10	80.0	75.0	79	086	15	070	04	08	•75	80.0
0200	15.8		•9	Cu/Cs	2000		10	80.0	74.0	77	090	17	070	04	08	•75	79.0
1300	16-28	-5	-4	Cu	3000		10	80.0	75.0	79	068	12	070	04	08	.8	80.0
nloo	16	34	-4	Cu	2500		10	80.0	75.0	79	062	16	070	04	08	.8	80.0
0500	24	3.3	-4	Cu	2000		10	80.0	75.0	79	080	16	070	04	08	.8	80.0
0600	16 30	49 5	•4	Cu	2000		10	80.0	75.0	79	078	18	070	Oft	08	.8	79.0
0700		69.32	•4	Cu	2000		10	81.0	77.0	84	075	19	070	04	08	•75	79.0
1800	16:27	169.6	1.0		AS/ 1500	RW	10	78.2	74.5	84	050	13	070	03	06	.6	80.0
3900	14.19	6/34	•5	Cu	1800		10	81.0	77.0	84	070	19	070	03	06	.7	80.0
1000	16.	1,38	•5	Cu !	1800		10	81.0	77.0	84	070	19	070	04	08	•75	79.0
11.00	1602	1 1 1 1 1	.6	Cu	1800		10	81.0	77.0	84	070	17	070	04	08	.8	79.0
1,200	15.54	1,45	.6	Cu/Ci	1800		10	81.0	75.0	76	069	21	070	04	08	.8	79.0
1300	15 He	· July	.6	Cu/Ci	1800		10	81.0	75.0	76	069	21	070	04	08	.8	80.0
1/100	15.6	169 4	•4	Cu/Ac/	Ci 2000		10	81.5	76.0	77	070	18	070	04	80	•75	79.0-
1500	15.30	69.54	.8,	Cu/Ci	2000		10	81.0	75.0	76	069	10	070	OL	08	•75	80.0
1600	15.20	69.57	.8	Cu/Ci	2000		10	80.0	75.0	79	045	18	C 7 0	04	08,	.65	80.0
1700	15.08	70,00	.8	Cu/Ci	2000		10	81.0	76.0	80	050	19	070	04	08	.7	80.0
1800	15.00	70.05	.8	Cu	1800	-	10	82.0	75.0	72	047	19	070	04	08	•6	80.0

DATE 3 OCTOBER 1964 (W)

	~		i i	-	Y COMDIT	TON I						WIND, SFC.		SEA STATE				
7	IMR	LAT	LONG.	TOTAL AMT.	DECEMBER OF STREET	LOWEST HEIGHT	PRES WX.	, VIS.	TEMPE D.B.	RATURE W.B.	R.H.	CONTRACTOR OF THE PARTY OF THE	KTS. SPEED	NEW CANDING AS STREET	HEX- GHT	PER	OZONE PPHM	SEA TEMP
-	2900	Mary Mary Commercial C	70.09	decimal control of the control of	Cu	1800		10	82.0	75.0	72	047	19	070	04	08	.8	80.0
1	2000	14.8	170-14	•3	Cu/Ac/Ci	2000		10	80.0	76.0	83	070	17	070	04	08	•55	79.0
and man		14.4	170-1	•6	Cu/Ci	2500		10	81.0	77.0	84	030	20	070	04	80	•55	80.0
9,800	2200	sel o		.2	Cu/	2500		10	81.0	76.0	80	074	16	070	04	08	•6	80.0
The same of the sa	2300			.1	Cu	2500		10	81.0	76.0	80	087	14	070	OLI	08	•7	80.0
Prom	21,00			.2	Cu	3500		10	81.0	75.0	84	083	14	070	04	08	•75	80.0

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA CLIMATOLOGICAL DATA

DATE 3 0 1 6 4

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE	E/SPD.
0100 0200 0300										The second secon						9
0200																
0300																
0400									And the second s						/	
0500							and the state of t		Manufallinian again compressed interest annual annu						36 10	9
0400 0500 0600									Andready of the state of the st	The Constitution of the Co					36/0	7
0700	16 - 1 100	169-32							Communication of the state of t						20	
0800	-27	-33					And Andrews and Andrews and Commission and Commission and Andrews									
0900	16-19	1.5 9 1 34						The section of the se	t and the second and							3
1000	-11	- 37					territoria de la compania del compania del compania de la compania del la compania de la compania del la compania de la compan	De James halls all Laborato egylik hajji piranakadan sargar kinanajasa kegylika a s	and the state of t	go village, Addressor "Teledi, 1-ta-C _a -James (at particular at partic						
1100	16-02	169-40														
1200	-55	- 43							Carrier and the contract of th	AND ALEX POINTED CONTROL TO A LEXINGUISION OF CONTROL ASSUMPTION OF COMPANY AND A SUSPENSION OF						
1300	-44	-44							Communication of the section of the							
1400	-34	- 49														
1500	- 29	- 52								The state of the s						
1600	-20	- 54														
1700	15-10	169-56														
1800	-03	170-03														
1900	14 .55	170-10														
2000	14-48	14														
2100	14-40	18														
2200	14-32	22														
2300																
2300 2400																
	REMARK	S:					,									

ŧ			S	CO DIE	The factor and the first and t	3		Angel Angel	and course on the latest		WIND,	Sic	SEA	3	-	OFFICE	Clean
TIME	LAT-	LONG	As	2	LOWEST HEIGHT	PRES WX.	VIS.	TEMPE D.B	RATURE W.B.	R.H.	DIR	SFEE	DIR.	GLT	PER.	OZONE PPHM	SEA
0.00	No.	- Con	.2	Cu	3500	The second secon	10	81.0	75.0	76	077	16	070	04	08	• 7	80.0
11200	14.7	169.8	•3	Cu/As/C	2000		10	79.0	74.0	79	090	14	070	04	08	.7	79.0
.00	14,18	611	•2	Cu	3500		10	81.0	75.0	76	083	14	070	04	08	• 7	80.0
phop	14,24	4 7 8	•2	Cu	1800		10	81.0	75.0	76	050	19	070	04	08	• 7	80.0
7500	14 40	17.8	.2	Cu	1800		10	81.0	75.0	76	050	19	070	04	08	• 7	80.0
	14.51	47.7	.8	Cu	1800	RW	10	81.0	75.0	76	045	18	070	04	08	.7	80.0
0700	14,58	47.7	•7	Cu	1800	RW	10	81.0	75.0	76	045	18	070	OŢŧ	08	•75	80.0
0800	15.4	169.7	•4	Cu	2000		10	79.2	75.5	83	080	17	070	Olt	08	•75	80.0
0900	15	67.17	•2	Cu	2000		10	82.0	76.0	76	086	18	070	OL	08	.8	80.0
1000	151.4	425	.2	Cu	2500		10	82.0	75.0	72	094	18	070	OL	08	.8	80.0
13,00	15.	1-1/31	.1	Cu .	2000		10	82.0	75.0	72	090	19	070	Olt	08	.8	80.0
1200	15.	+142	•	Cu	2000		10	82.0	75.0	72	084	19	070	04	08	•75	80.0
0.300	15.4	F1,53	•2	Cu	2000		10	82.0	75.0	72	066	22	070	04	08	•75	80.0
0.00	15.4	170.3	.5	Cu/Ci	2000		10,	81.5	76.0	77	070	18	070	0/1	08	.7	80.0
_1500	14.55	113	•2	Cu	2000		10	82.0	75.0	72	083	19	070	04	08	.65	80.0
-		1.25	•2	Cu	2000		10	82.0	75.0	72	074	17	070	04	08	.65	80.0
1.700	14,37	70.37	.2	Cu	2000		10	82.0	75.0	72	074	16	070	Oli	08/	•5	80.0
1800	14,25	70,49	•3	Cu	1800	1	0	82.0	75.0	72	0741	22	070	04	08	•55	80.0

DATE 4 OCTOBER 1964 (W)

			SK	Y CONDIT	ION						WIND	, SFC.	SEA	STATE			
TIME	LAT	LONG.	TOTAL AMT.	ACCRECATE VALUE OF STREET	LOWEST HEXCHT	PRES WX	. VIS.	TEMPE D. B.	RATURE W.B.	R.H.	DIR.	RTS. SPEED	DIR.	HEI- GHT	PER.	OZONE PPHM	SEA TEMP
1900	14,16	70,55	•3	Cu	1800		10	82.0	78.0	82	074	16	070	04	08	•5	80.0
		171.1		Cu/Ci	1800		10	81.0	75.6	78	070	19	070	04	08	•5	80.0
21000	The state of the state of	STANSON VALUE AND CONTRACTOR		Cu	2500		10	83.0	77.0	76	060	20	070	04	08	•55	79.0
2200	1745	71.6	•4	Cu	2500		10	81.0	76.0	80	060	20	070	04	08	•55	79.0
2300	15 \$0	d allows the distance of the last	•2	Cu	2500		10	82.0	76.0	76	073	18	070	04	08	•55	m79.0
21:00	Commence of the Personal Property and Party an	Technical Control of Control	.2	Cu	2500		10	82.0	76.0	76	072	16	070	04	08	•55	80.0

DATE 4 Oct



SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA CLIMATOLOGICAL DATA

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100															
0200															
0300															
0400										and resemble transferonce from all the additional year Charleton Critical distinguishments and distinction and distinctions and distinctions and distinctions are also become an additional distinction and distinction are a					
0200 0300 0400 0500 0600									etili ettimistiiniin josiinoisti, kuntaktiinkois Taavatpoonintiitii taati k						
0600															3 1 / 10
0700	15-23	169-40							ette etterken 200 forti tilgter med personer tremperetris det 2000 tilse						3//10
0700 0800	26	48													
0900	15-31	169-56									agan jamat Adal gamada ay if ita il ilanda 27° iar inna iland an magalazang gapannin na firesana				22/ 10
1000	30	170-08						AZP PRACTICE ACEARNA RESTAURABLE AND COLOR SENSON DEVINE ASSENSE.							XF/ 10
1100	24	16							TO A STATE OF THE PROPERTY OF	And Annie (C.C.), The many and the supplemental design of the supplement and supplemental designs of the supplemen					
1200	1:5	. 4							and the second s						
1300	12														
1400	06	40													
1500	15-06	170-49										The second secon			
1600	14-57	54													
1700	14-54	110-57	·						A Mingliff to A Proof of the Control						
1800	44	171-03													
1900	14-33	17/-12													
2000	26	16													07
2100	20	20													
2200	1 41	24													
2300	07	26													
2400	14-00	3.5													
	REMARK	S:					,					*			

			5	COMPLI	CION CONTRACTOR		e e		SERVICE STATE STATE STATE OF S		WITHD	SPC:	SEA S	PEL		OZONE	SM
12 12 15	LAT	LONG.	PTOTAL AME.	TIPE	LOVEST HEIGHT	PRES WX.	VIS.	TEMPE D.B	RATURE	R.H.	DIR	KIS. SPEED	DIR.	CELE SAN	HT	PPHM	THE THE
07.00	1:30	Principal of Strategy and Strategy	•3	CU	1800	ann ingir. Co-proced Lorreston fil ang a Little Lades of Tiller	10	82.0	76.0	76	072	16	070	08	04	•55	80.0
. 1200	- NOSSIMUE LOWER	171.9	•4	CU/CI	2000		10	80.0	75.0	79.	070	18	070	08	04	•55	80.0
0300	15.8	70,57	•3	CU	2500	Landy Procedure Commence Control of the	10	81.0	77.0	8Lt	061	18	070	08	04	•55	80.0
Jh00_	7 00	-	•2	CU	2000	- T	10	81.0	77.0	84	061	17	070	08	04	• 55	80.0
9500 ¹	07	-70.31	•2	CU	2000	Commission of the Commission o	10	81.0	77.0	84	056	24	070	08	OT !	.6	80.0
0600	7		•2	CU	2000	The Control of the Co	10	81.0	77.0	84	055	27	070	08	04	.8	80.0
0.700	75	0.13	•2	CU	1200	en pro e cinera en emplimarentemen estrerante (C) SI SI SI SI SI SI SI SI SI SI	10	81.0	77.0	84	055	27	070	08	04	•75	80.0
	13.7	- Company of the Company of the Company	.8	CU/CI	1800	RW g	10	79.5	76.0	85	070	22	070	08	04	• 58	80.0
		70.20	.6	CU	2000	evene controvasorialisme	10	0.48	77.0	73	089	15	070	08	04	• 79	80.0
		72.53	.7	CU	2000	e Whore Miles are the survey of the survey o	10	84.0	77.0	73	089	15	070	08	04 \$.81	80.0
		7 - 46		CU	2000	are recorded to the second to	10	84.0	77.	73	045	28	070	80	04	.76	80.0
		70.59	žį	CU/CI	2000	series and server of the serve	10	81.0	76.	80	080	L.8	070	08	04	.75	80.0
		7/103	.6	CU/CI	2000		10	81.0	76.) 80	080	18	070	08	04	• 70	80.0
	14.1	172.8	.8	SC/CI	2000		10	81.0	76.	5 81	070	17	070	08	04	.78	80.0
1500		71:17	.6	CU/CI	2000	more our porture desired as a form	10	82.0	86.	76	080	18	NORTH OTC	08	04	.65	80.0
		71 .28	.4	CU/CI	2000		10	82.0	76.	76	045	15	070	08	04	.68	80.0
1700	14,4	71.40	.4	CU/CI	2000	22	10	82.0	76.	76	075	11	070	08	04	.65	80.0
1800	14.5	71 52	.4	CU/CI			10	82.0		0 76	075	11	070	08	04	.68	80.0

DATE 5 OCTOBER 1964 (W)

	No. of Concession, Name of Street, or other Designation, Name of Street, or other Designation, Name of Street,	and the second section of the State of								S COTOR	CONTROL	COUR	PCI	2	No.	
			SK TOTAL	Y CONDIT	ion Lonest		TEMP	RATURI	t	S M.YVIS), SFC. KTS.	SEA	V	HT.	OZONE	SEA
TIME	LAT	LONG.	AMT	TYPE	HEIGHT	PRES WX. VIS.	D.B.	. WeBo	R.H.	DIR.	SPEED	DIR	A	X	PPHM	TEM
Automorphism	PERSONAL PROPERTY.	71 .57	.4 C	u/cı	1800	10	82.0	76.0	76	055	14	070	08	04	.68	80.
2000	14.8	172.2	1	F/AS/CI	1800	10	80.0	75.0	79	070	14	070	08	04	.80	80.
2100	and the same of th	acceptation little	.3 (U	3000	10	82.0	76.0	76	083	12	070	08	04	.80	80.0
2200	Manual Control of the State of		.3 (U	3000	10	83.0	75.0	69	063	13	070	08	0 H	.80	80.0
2300	A CONTRACTOR OF THE PARTY OF TH		.3 (U	3000	10	83.0	74.0	65	062	12	070	-08	04	.89	80.0
2h0	AND DESCRIPTION OF THE PARTY OF	DOMESTING OF PER	.3 (U	3000	10	83.0	74.0	65	091	6	070	08	OT	.80	79.0
CONTROL COMMENTS	ren' compete abbreviation	protection are designed	PARENCHIA PRODUCTION	STRUCTURE OF THE PARTY OF	The second second	ектимулителект наражинельника (Диниститического инстит	AND DESCRIPTION OF THE PERSONS IN	Consultation of the last	SHATE SHIRTSHIP HERE	articles and the same	HARRIST AND THE PARTY OF THE PA	of memotions	WINDS STREET,	PERSONAL PROPERTY.	Constitute actions agranged annual	all residue

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SI-MNH-955b Rev. 4-9-64

DATE 5 04

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA CLIMATOLOGICAL DATA

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	13 - 55	22													
0200	Son of	35							The supplication of the section of t						
0300	4/5	27								eta artikulla ajamakan nga nganga se sama a alamba ajah hingga sampan, yini sampang mengaman					
0400	40	u).					The second section of the second section of the second section of the second section s								
0500	35	4)				-				and the state of t			and the second s		
0600	30	43		,						The state of the s			and the second s		
0700 0800	13-40	172-45							Company of the Committee of the Committe						3//17
	11	48							The State of the American State of the State						the state of the s
0900	52	51								ONE TO THE CONTRACT TO THE WAY OF THE PROPERTY					
1000	00	54								The second secon					31/06
1100	14-54	172 - 57													31051
1200	10	50													
1300	12/-16-	172 -43													
1400	22.	40													
1500	28	37													
1600	14-54	172 34													
1700	38	3:													
1800	42	30													
1900 2000	14 - 41.24	172 28													05/08
	54	4													
2100	15-05	14													
2200	14	0/													
2300 2400	24	172-10								, , , , , , , , , , , , , , , , , , , ,					
2400	29 PEWADIO	53													
	REMARK	0:					`								

			S.	T COMPT	10 的形式 10 mm 10 m						ATND,	SFC.		PER:	Service .	OZOME	CIPA
	IAT.	LONG.	TOTAL AMI.		LOWEST MEIGHT	PRES WX.	VIS.	TEMPE D.B	RATURE W.B.	RoHo	DIR	SPEED.	K	(1)/2 m	#.	OZONE PPHM	SEA TEMP
0100	290 0 200		• 3	CU	3000		10	83.0	74.0	65	088	13	070	08	04	.80	80.0
	15.3	171.6	-4	CF/CI	1800		10	81.0	74.5	74	090	14	070	08	04	. 70	80.0
0300		71.4	•2	CU	3000	of the country of the same of	10	81.0	75.0	76	070	16	070	08	04	.80	80.0
0600	15 .5	71	.2	CU	1800		10	81.0	75.0	76	070	15	070	08	04	.70	80.0
2500	15	7	.2	CU	1800	appropriate and the second	10	81.0	75.0	76	070	18	970	08	04	•75	80.0
2500	e construction of the cons	71 ,4	.2	CU	1800	ones a series	10	79.0	75.0	83	090	20	070	08	04	.80	80.0
ა 700	15	71.3	• 2 b	CU	1800		10	79.0	75.0	83	080	20	070	08	04	.85	80.0
0800	15.9	171.2	•5	CU/CI	1800	Though Appen Should are Thou	10	80.2	73.8	74	070	14	070	08	03	.80	80.0
2900	15 11	7055	.2	CU/CI	2200	v.L. None a not make a	10	81.0	75.0	76	068	13	070	08	03	.85	80.0
1000	15 00 6	70 13	.2	CU/CI	2200	T 1000	10	81.0	75.0	76	068	13	070	08	03	1.20	80.0
7.7.00	5.37	7036	•3	cu/ci	2200	25/10 000	10	81.0	75.0	76	068	13	070	08	03	1.18	80.0
3,200	15,47	7024	.2	CU/CI	2200		10	81.0	75.0	76	060	20	070	08	03	.65	80.0
1300	15.56	70.15	.2	CU/CI	2000		10	81.0	75.0	76	077	21	070	08	03	.65	80.0
11,00	16.4	170.8	•3	cu/ci	2000		10	81.5	75.8	77	070	19	070	08	05	.70	80.0
1,1500	11, 4	20.18	•2	cu/ci	2000		10	81.0	74.0	72	079	17	070	08	05	.60	80.0
1600	14,3	27	.7	CU	1800		10	81.0	74.0	72	075	10	070	08	05	.60	80.0
1700	14.3	3=.38	.2	CU	1800		10	81.0	74.0	72	078	9	070	08	05	.60	80.0
1800	11,2	70.49	•3	CU/CI	2000		10	82.0	75.0	72	077	14	070	08	05	-55	80.0

DATE 6 OCTOBER 1964 (W)

-	K a pri National Association in	THE RESERVE OF THE PERSON NAMED IN		AND DESCRIPTION OF THE PARTY OF	The second second second					L.CT-18	019/3	OTA	Ach			
			SI	CY CONDI'	TIOM		Auropeanomentos	and the same of th	-	WAND	SFC.	SEA	Ypi	M	ORONIO	COSTA
TIME	LAT	LONG.	TOTAL AMT.	TYPE	LOWEST	PRES WI. VIS.	No. 1 is a second second second second second	RATURE W.B.	R.H.	DIR.	SPEED.	DTR.	X	X	OZONE PPHM	SEA TEMP
1	14 3	70 58	Son abetraction in the	cu/ci	2000	10	82.0	75.0	72	060	15	070	08	05	•50	80.0
1900	16.1	-	•3	cu/ci	2000	10	81.0	74.5	74	070	17	070	08	05	.50	80.0
2000		Management of the Column	.3	CU	2000	10	82.0	75.0	72	069	17	070	08	05	.50	80.0
2100	161	1110	Constitution Name	CU	2000	10	82.0	75.0	72	074	16	970	08	05	•50	80.0
2200			-		2000	10	82.0	75.0	72	070	17	070	08	05	.50	80.0
2300	-		•3	CU								070	08	05	.45	80.0
24:00			•3	CU	2000	10	82.0	15.0	72	070	1.1					

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA CLIMATOLOGICAL DATA

Rev. 4-9-64

DATE 6 0 0 1 10 1

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	15-33	171-47													F 05/68
0200	38	40							-		<u> </u>				4 6 7 6 0
0200 0300 0400 0500 0600	43	33					PASS TOTAL DESCRIPTION OF THE PASS T	and the first translation to adjust only lightness of the control							
0400	16 %	27									A STATE OF THE PARTY OF THE PAR				
0500		21					The American Continue of the ACT of Continue and Indian								
0600	55	15								TART (America) (1900-1800) (19					
0700 0800	16-03	171-09							A September 1992 September 1995 Sept						05/08
0800	Par Aby	171-14													
0900	64.3	170-5													
1000	18	170-14													
1100	10 23	170-27													/
1200	-25	170 54													32/08
1000 1100 1200 1300 1400	30	171-04													
1400	22	14													
15001600	16-33	171-24													22/08
1000	28	30					 		http://www.pro-respiratestablesconcernstatestablesc						
1,00	20	36					-								
1700 1800 1900	18	42													
2000	08	17/26													
2100	16-03	171-56													
2200	15-58	172-01													
	50	172-08													
2300	1) 1)	22						-							
2 700	REMARK		,	l			,		l						

				T COMITY	1 ON				north Anna		WIND,		SEA	76H	11.	OGOMA	Ciroa
المراد ال	TAT	IONG.	TOTA.	TYPE	LOWEST HEIGHT	PRES WX.	VIS.	TEMPE	RATURE W.B.	R.H.	DIR	SPEED	DIR	GMI	1/22	OZONE PPHM	SEA TEMP
7100			.8	CU/CI	1800		10	82	0 77	0 80	070	17	070	08	05	.40	80.0
1200	16.4	173.6	.8	CU/CI	1800		10	80.0	75.8	82 .	070	17	070	08	05	.45	80.0
	15.55	75.5	•9	CU	1800	R	10	81.0	75.0	76	075	18	070	08	05	.45	80.0
01,00	15,4	23.4	1.0	ST	1000		10	79,0	75.0	83	087	15	070	08	05	•40	80.0
0500	5.31	73,3	1.0	ST	1200		10	79.0	75.0	83	080	10	070	08	05	•45	81.0
	15.24		.6	ST/CU	1900		10	80.0	76.0	83	081	18	070	08	05	•50	81.0
0700	15:14	73.1	1.0	CU	1900		10	81.0	75.0	76	0.68	16	070	08	05	.50	81.0
0800	15.2	173.0	•9	CU/AC	1500		10	80.0	75.6	81	070	17	070	08	05	.50	80.0
0900	14,54	73 1	1.0	ST	1500		10	81.0	75.0	76	060	14	070.	08	05	•55	81.0
1000	44)	73 .2	1.0	ST	1500	R	10	81.0	75.0	76	055	13	070	08	05	.40	81.0
1100	14.30	73 .3	1.0	ST	1500		10	81.0	75.0	76	076	19	070	08	05	•50	81.0
1200	4.21	73 .4	1.0	CU	1900		10	81.0	75.0	76	072	25	070	08	05	•55	81.0
1300	14.10	73.5	1.0	CU	1900		10	81.0	75.0	76	072	25	070	08	05	.55	81.0
11100	14.6	173.7	•9	SC/AC	2000		10	83.0	77.5	79	090	22	080	08	04	.50	81.0
1500	14.16	25.19	.8	CU	1800		10	81.0	75.0	76	072	25	080	-08	04	•50	-81.C
1600	1427	13.27	.7	CU	1800		10	81.0	75 . G	76	072	25	080	08	04	.50	81.0
1700	14.38	34. 39	.6	CU	1800		10	81.0	75.0	76	070	27	080	08	04	.50	81.0
1800	4.49	75.47	•7	CU/CI	2000		10	82.0	76.0	76	079	13	080	08	04	,50	81.0

DATE 7 OCTOBER 1964 (W)

486	A STATE OF THE PARTY OF	Name and Post of the Party	CONTRACTOR DESIGNATION	PROPERTY.							April 12 (2012) STATE OF THE PARTY OF THE PA	THE RESIDENCE OF THE PERSON NAMED IN	Santanana marka	200	-		
			SK	Y CONDIT	ION			A			WIND	, SFC.	SEA	PER	#1		
TIME	LAT	LONG.	TOTAL AMT.	TYPE	LOWEST HEIGHT	PRES WX.	VIS.	D.B.	RATURE W.B.	R.H.	DIR.	SPEED.	DIR.	X	PER	OZONE PPHM	SEA TEMP
1900	14,55	73.55	.8	CU/CI	2000		10	82.0	76.0	76	079	14	080	08	04	.80	81.0
		174.1	.9	CU/CI	2000		10	81.0	75.2	77	090	15	070	08	04	.50	81.0
21000			•5	CU/CI	2000		10	81.0	75.0	76	078	21	070	08	04	•35	80.0
2200			•4	CU/CI	2000		10	81.0	75.0	76	076	22	070	08	04	•40	80.0
2300			• 1	ST	1500	R	10	81.0	75.0	76	070	19	070	08	04	•40	80.0
21:00			•2	CU	2000		10	81.0	75.0	76	070	20	070	08	04	.40	80.0

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA CLIMATOLOGICAL DATA

DATE 7 007 64

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B DEW 1	PT HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WTND D	SHIP COURSE/SPD.
0100	36	29												22/10
0200	30	36												
0300	24	43							t territorio de la companya de la c					
0200 0300 0400	18	Ö				·								
0500	12	57						A STATE OF THE PARTY OF THE PAR						,
0600	06	04				and the second s			Carthaff of the Strategical control of the Carthaff Carth					000110
0700	15-00	173-11					Commence of the Commence of th							22/12
0700 0800	14 54	16				The second secon	And the second	purituria and halifactularish deleteration (Cilinteract) qui un La completa d'alcon (Cili. 15 a (Circu)						27/10
0900	43 -2	21						ti Pilitiri da T. L. James Marie C. Service C. Service Landin antiglis Areas of Transfer C. Landin C. Landin A. Land	ndulus and the second security of the second security of the second seco					23-
1000	14-44	17: - 28						The second secon	And the Control of th					37 106
1100	27 21	33						Special and Color of the service Color of Constitute of Color of Color of the Color of Color of Color of Color						27 106
1200	/3	in the same of the							to the first state of the state					
× 1300	14-43	173-45												3/
1400	47	ST Vac												31 /10
1500 1600	14 - 55	174-50						ermen dispersion de generale de automotiva que en 1945. A colonida de actual de foliación 1944 de 20						31 //0
1600	15-01	174-66												3=1 06
1700 1800 1900	67	1-4-00						and the second section of the sectio						35100
1800	12	173-58												24/24
	20	17.3 56												34/06
2000	15-27	173												
2100														
2200											·			
2300														
2100 2200 2300 2400														
1	REMARK	S:					*	en e			**************************************	<u>'</u>		

LATE	8 00	CTOBER 19	964 (W)	to constituents as 2000.						V	Professional Commence		V/ // // .	1 2		
			TORN	Y COMDE	TION LOWEST		The Control of the Co	TEMPE	RATUR	3	WIND,	MID .	71	NY-	H1.	OZONE	SEA
PILITE	LAT.	LONG	ASI	MALLE TO SERVICE OF THE SERVICE OF T	REIGHE	PRES WX.	VIS.	DoB	Wa Bol	Rollo	DIR	SPEED	DIR.	MARIAGE PURE SA-	PLAS.	PPIM THE PROPERTY OF THE PROP	TEMP
01.00		A PROPERTY OF THE PARTY OF THE	.3	CU	2000	ALE A MERITAN AND AND AND THE PROPERTY OF THE	10	81.0	75.0	76	070	20	070	08	04	-40	80.0
0200	16.9	173.4	•4	CU/CI	2000		10	80.5	75.0	78	070	16	070	08	04	•35	81.0
1200 ARTHUR WAY	Action destroy and	72.53	.5	CU	2000	~ present the control of the control	10	81.0	75.C	76	070	23	070	08	04	.35	80.0
-4		72,41	.2	CU	2000		10	81.0	75.0	76	082	14	070	08	04	• 145	81.0
0500			. 2	CU	2300		10	81.0	75.0	76	063	20	070	08	04	.35	81.0
	No.		•3	CU	2300		10	81.0	75.0	76	063	20	070	08	04	.40	81.0
		72.16	.9	CU	2000		10	81.0	75.0	76	095	25	070	08	04	•50	80.0
		172.4	.9	CU/AC	1500	-	10	78.5	75.0	85	110	20	070	08	04	.40	80.0
	16.4	11	.3	SC/AC/	CI 2000		10	79.C	76.0	87	098	20	070	08	04	.50	81.0
	11,6	8	.6	SC	2000	a pro that an a month of a second	10	80.0	76.	83	098	20	070	08	04	.50	79.0
		72.4	.6	SC .	2000		10	80.0	76.	83	104	22	070	08	04	•50	80.0
		72.3	8	SC	2000	and the state of t	10	80.0	76.	0 83	070	12	070	08	04	•35	80.0
		72.3	.9	SC	2000	MAN SERVICE LANCESCO, MICHIGANIA L'ATTRIPULA ANTO, SANT	10	80.0	76.	0 83	081	19	070	08	04	.35	80.0
		172.3	.8	CU/AS/	CS 2000	R	10	81.1	74.	8 74	070	To the law of the law	070	-08	OL+	35	80.0
and the state of t		71 152	.9	SC	2000	Promise Productive Control Control Productive Control	10	80.0	76.	0 83	071	15	070	08	04	.40	80.0
1600	14.6	71.41	.9	SC	2000		10	80.	76.	0 83	070	14	070	08	04	•35	79.0
1700	14.8	71.30	.7	SC	2000		10	80.0	75.	0 79	070	THE	070	00 08	04	.40	79.0
Warman Mark College Co.	The second second second	71.20	.8	CU/CI	2000	The Edward Control of the Control of	10	84.	0 76.	0 69	067	11	070	08	04	.45	79.0

DATE 8 OCTOBER 1964 (W)

	estrela pro-	CO-STREET,	ASPERIAL DESIGNATION OF THE PARTY OF T	NUMBER SOLDERS	Particular on the property and other the	AND ADDRESS OF THE PARTY OF THE						A COLUMN TO THE REAL PROPERTY.	CONTRACTOR OF THE PARTY OF THE	Come	All.	M.		
				SK TOTAL	The second secon	LOWEST	TO THE STATE OF TH	1270	Constitution of the law of the	RATURE		WIND	SFC. KTS. SPEED	SEA DIR.	X	Character of the Section 2	OZONE PPHM	SEA TEMP
TIM	E LA	To	LONG.	AMT.	TYPE	HEIGHT	PRES WX	And and a second second second	D.B.		R.H.	The state of the s			00			80.0
19	00 16,	8	71.10	.8	CU/CI	2000		10	82.0	75.0	12	066	10	070	08	04	-	
20	00 16.8	3	171.5	.8	CU/AS/CS	2000	R	10	79.0	75.0	83	070	8	070	10 0	06	•50	80.0
-	000	subcontroller.		.8	cu/ci	2000		10	82.0	75.0	72	043	17	070	10	06	•50	79.0
22	STEENING BECKNICH	THE REAL PROPERTY.		.8	cu/cı	2000		10	82.0	75.0	72	036	13	070	10	06	•50	79.0
Parations and	00			.8	cu/ci	2000		10	82.0	75.0	72	041	19	070	10	06	•55	79.0
Section and section in the section is a section in the section in the section in the section is a section in the section in th	00	The same of the sa		.8	CU	2000		10	82.0	75.0	72	042	18	070	10	06	•55	79.0

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA CLIMATOLOGICAL DATA

DATE 80.764

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100 0200 0300 0400 0500															
0200															
0300															
0400															
0500	,														
0600	150024	172-58				The Control of the State of the				t dita tiapadi menduju menduju Terahanggan naggai ner nag Tilaun najahan magan padagai na					
0700	16 -33	172-52							ette ette ette ette ette ette ette ett						04/09
0700	34	46							CONTROL OF THE STATE OF THE STA						07/01
0900	-+ O	40						ala galla di mentas un processi (f. 1864). L'ELL, L'ALLA egizientes d'Alla de Millatres, des Linux du arriveres d'Aud	antig planting Y versellisting and approximate activities (Sept. 20 december 2).	inter Salantina (August Salantina (August August Salantina (August Salantina (August Salantina (August Salanti Ann ann an Aireann an					
1000	16-44	172 34								ACTIC Televines The MCLanes Significance and Significance and Company and Comp					
1100	48	28							ter in a designate elemperatural confirmation and the territory and the confirmation of the factor of the confirmation of the						04/09
1200	50	22							and the second s	- Marie Carlo Carl					
1300	5-2	16					erin (CTP) (and January to increasing the increasing the second					
1400	= 4	10	,					de Tiples de Tiples de la Tiple							
1500	56	172-03													09
1600	10 - 57	171 ,56													09/09
1700	16 56	171 49													113/
1800	3"5"	42							Primed Carlot (1989 - Primedistro 18 april 2015) (2016) (25 primedistro carroganica carroganica)						17
1900	16-55	17.1-38													
2000		32.													
2100															
2100															
2300 2400			,						Catalogue Control and Control						
2400															

	J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		e , pg/mit/www.co.co.co.co.co.co.co.co.co.co.co.co.co.	Si	IX. COMPTI	The Annual of the Art of the Art of the Party		Ų,		- The same of		WIND,	STO STORY	Carcheter or agents	PER	H	OZONE	SEA
	UT.E	T.A.7"_	LONG	TOTAL	TYPE	LOWEST HEIGHT	PRES WX:	VIS.	D.B	RAJURE Wabal	RoHa	DIR	SPEED.	DIE		Del	PPHM	LEMb OTH
T	00	eta I	parent.	.6	CU	2100		10	81.0	75.0	75	040	19	070	08	04	.50	80.0
	200		AND THE PROPERTY OF THE PERSON NAMED OF THE PE	• 7	CU	2100	a The Elementary Company of Latence Park Latence (1997).	10	81.0	75.0	7 5	077	14	070	08	04	•55	80.0
	0300		g.	•3	CU	2100	and the second second second second	10	81.0	75.0	75	077	14	070	08	04	•50	80.0
٠	27:00		20-4 .037-4894	•3	CU	2500	The state of the s	10	81.0	75.0	75	068	11	070	08	04	•50	79.0
	0500			•2	CU	2500	A CONTRACTOR OF THE PROPERTY O	10	81.0	75.0	75	068	12	070	08	04	.55	80.0
}2	0500	58	25	•4	CU	2000	M. Too Car.	10	81.0	74.0	72	068	11	070	08	04	.50	80.0
ľ	-	16-58	170-18	•4	CU/CI	2000	,	10	81.0	74.0	72	034	12	070	08	04	150	80.0
H			170-11	.5	CU/CI	2000	(771L/21.v L	10	81.0	74.0	72	033	15	070	08	04	•50	80.0
0			170-04	•5	CU/CI	2000	Personal Process of the State o	10	81.0	74.0	72	039	16	070	08	04	•55	80.0
			169-5	.5	CU/CI	2000	ner _{ne} i i i i 7 mphillio i 17 manni an 70.	10	81.0	74.0	72	038	19	070	08	04	.55	80.0
			169-118	•5	CU/CI	2000	all fills the transmission 3th	10	81.0	74.0	72	030	14	070	08	04	•50	80.0
ì			167-40	.5	CU	2000		10	81.0	74.0	72	060	14	070	08	04	.50	80.0
			16 7-32	•5	CU	2000	and the state of t	10	81.0	74.0	72	060	14	070	08	04	•55	80.0
.1	1400	17-01	169-24	.9	CU	2000		10	81.0	74.0	72	060	14	070	80	04	.50	80.0
0	1500	. 04	16	.8	CU/CI	2000		10	84.C	75.0	66	087	14	070	98	04	.50	79.0
-	1600			.8	CU/CI	2000		10	84.0	75.0	66	087	14	070	08	04	.50	79.0
	1700		16-00	.8	CU/CI	2500		10	84.0	75.0	66	087	13	070	08	04	.50	79.0
	1800		168-52	.8	CU/CI	2500		10	83.0	75.0	69	034	16	070	08	OLI	•55	79.0

8/2

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DATE 9 OCTOBER 1964 (W)

	4000	AND DESCRIPTION OF THE PARTY AND	NAME OF STREET	CONTRACTOR AND	PAGSPRING							PROFESSION STATES	NAME AND POST OF PERSONS	Salata Maria and Salata	The same of the same	STATE OF THE PERSON.	2	
			-	SK	Y CONDIT	ION			8			WIND	, SFC.	SEA	PER	G dominion		
,	TIME	LAT	LONG.	TOTAL AMT.	TYPE	LOWEST HEIGHT	PRES WX.	, VIS.	D.B.	Charles on the State of the Sta	R.H.	DIR.	KTS. SPEED	DIR.	X	HT.	OZONE PPHM	SEA TEMP
Securious	AND REAL PROPERTY OF THE PERSON NAMED IN	The same of	168-42	souther to hely than our	cu/ci	2500		10	83.0	75.0	69	031	15	070	08	04	•55	79.0
ANTERIOR MATERIAL BAT	2000	17.88	168.8	•4	CU/AS	2000		10	79.8	74.0	76	070	13	070	06	03	.65	79.0
Spinor country	21,000	and the second		•3	CU	2500		10	83.0	75.0	69	030	16	070	06	03	.65	79.0
Strong and	2200	TO STATE OF THE ST		•3	CU	2500		10	83.0	75.0	69	034	16	070	06	03	.70	79.0
Section 2012 1985	2300			.3	cu	2500		10	83.0	75.0	69	034	18	070	06	03	•70	79.0
anti-nepelings.	2400			•3	cu	2500		10	83.0	75.0	69	047	15	070	06	03	.80	79.0

Servito

			The SI	CONDITION OF THE PROPERTY OF T	TON		6		HINDRICH THE PROPERTY OF THE P		WIND,	PALESTANDED PROPERTY CONTRACTOR	SEA	STATE	STEEN ENGLISHEN	000111	City
المستمنية ولا به المام المانه	7 A E7	* 17877	TOTAL	TUPE.	LOWEST HEIGHT	PRES WX.	, VIS.	TEMPI D.B	PATURE W.B.	R.H.	DIR.	KUS. SPEED	DIR.	GHT GHT	PER.	OZONE PPHM	SEA
TIME	LAT	LONG	AMIL .	CU	2500	La de Caladresia	10	81.0	MANAGEMENT STREET STREET	en agricultura franchische Franchische Franchische Franchische Franchische Franchische Franchische Franchische	047	TH	070	03	06	.85	79.0
01.00	17.6	167.7	Contractor of the Best British St. St.	CU/AS	1800	RW	10	80.0	75.0	79	050	15	070	OL	08	.95	79.0
0300	17.6	le b 59	**************************************	CU	2500	and the state of t	10	81.0	75.0	75	047	17	070	04	08	.85	80.0
01:00	17.7	61.48	erenomente destanten.	CU	2000	TO THE ARMONICOUNTY TO SEE A SECTION OF	10	81.0	73.0	68	030	15	070	04	08	.70	79.0
0500	CONTRACTOR SPINNING	11.36	A T	CU	2000	nggara, dayn gara ang ang ang ang ang ang ang ang ang an	LO	81.0	73.0	68	030	15	070	OLI	08	•70	80.0
1	17.8	1. 1.25	e l	CU	2000	marlimetaria meneral s'esperia auctivalisme affectate del	10	81.0	73.0	68	049	19	070	04	08	.70	79.0
0.700		1,15	.1	CU	2000	A THE STATE OF THE	10	81.0	73.0	68	049	19	070	04	08	• 70	79.0
0800		166.6	•5	CU/CI	1500		10	79.4	73.0	73	070	14	070	04	08	.70	79.0
2900	17:20	15.55	.1	CU	2000	A Particular of the Particular	10	81.0	73.0	68	049	19	070	04	08	,80	79.0
1,000	17.31	US. 44	.1	CU	2000		10	81.0	73.0	68	045	17	070	04	08	•75	79.0
11.00	17.40	45, 33	•3	CU	2000		10	81.0	73.0	68	045	16	070	O4	0.8	1.00	79.0
1200	17,52	15: 24	-4	CU/CI	2,000		10	81.0	74.0	72	049	15	070	04	08	1.00	80.0
1300	17.54	1,5. 15	•5	CU/CI	2000		10	81.0	74.0	72	045	15	070	4	80	• 90	80.0
11,00	18.3	165.9	.8	CU/CI	2000		10	81.0	74.5	75	050	To the same and	- 060	03	manne (a) (b) cor	1.00	79.0
1500	18.3	45.8	.8	CU/CI	2000		10	81.0	74.0	72	050	12	060	03	06	1.00	80.0
1600	12.4	65.7	.7	CU/CI	2500		10	81.0	73.0	68	060	12	060	03	net traditionen action action	1.00	80.0
1700	19.4	65.6	•4	CN/CI	2500		10	81.0	73.0	68	060	12	060	03	06	1.00	80.
1800	17,5	65:4	•4	CU/CI	2500		10	81.0	73.0	68	060	12	060	03	06	1.00	80.0

DATE 10 OCTOBER 1964 (W)

-	Control Control	La very medican have	THE RESERVE OF THE PERSON NAMED IN								A STATE OF THE PARTY OF THE PAR	SOURCE OF THE PARTY OF THE PARTY.	COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TOWNS T	-	PROF, ADDIENT		
			Sk	T CONDIT	FION			R			WIND	, SFC.	SEA	STATE			
TIME	LAT.	LONG.	TOTAL AMT.	AND RESIDENCE OF THE PERSON NAMED IN	LOWEST HEIGHT	PRES WX.	, VIS.	D.B.	THE PARTY AND ADDRESS OF THE PARTY.	R.H.	DIR.	KTS. SPEED	DIR。	GHT	PER	OZONE PPHM	Sea Temp
1900	3	16.3	.5	CU/CI	2500		10	81.0	73.0	68	060	14	060	03	06	1.00	80.0
- Constitution of the Cons	18.7	165.1	•3	CU/AC	2000		10	79.0	72.5	73	070	13	060	03	06	1.00	79.0
21.00			•2	CU	2000		10	81.0	73.0	68	050	12	060	03	06	•90	80.0
2200			•2	CU .	2000		10	81.0	73.0	68	050	12	060	03	06	•95	80.0
2300			.3	CU	2000		10	81.0	73.0	68	050	12	060	03	06	1.20	80.0
2400		es and a major and and	•2	CU	2000		10	81.0	73.0	68	053	13	060	03	06	1.20	80.

SMITHSONIAN INSTITUTION
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DATE 10 Oct -64

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
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0600	17-57	54							Committee of the Commit	Antonica como a processa de Colonica que mante planto en esta della gale en engle e tendescente.					04/10
	18-00	166-46													
07 00 08 00	03	36													
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1000	18-09	16										and provided the second first consistency and the second toward the second second second second second second			04/08
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TIME	TAT	LONG.	TOTAL	9-	HEIGHT	PRES WX.	VIS.	TEMPE	RATURI W.B.	R.H.	DIR	SPEED	DIR	GHT.	PER	OZONE	SEA TEMP
0.00	- Accession		2	CU	2000	Agen yn chinging na seesee Angel agen yn ar	10	81.0	73.0	68	053	13	060	03	06	1.15	80.0
G200_	18.9	164.2	• 7	CU/AC/	S 2000		10	78.5	72.	73	070	14	060	03	06	1.00	79.0
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9 +			•2	CU	2000	Angelege and Andrew Company Company (1994)	10	80.0	73.0	72	035	15	060	03	06	1.05	79.0
		63 ,35	0	CU	2000		10	79.0	73.0	75	020	15	060	03	06	1.00	79.0
		13.24		CU	2000		10	79.0	73.0	75	033	15	060	03	06	1.00	79.0
		43 114	•4	CU	2000		10	77.0	73.(82	032	15	060	03	06	1.00	79.0
0800	19.2	163.2	•3=	CU	3000		10	78.8	73.1	+ 77	070	14	060	03	06	1.10	79.0
0900	19.2	1-2.50	•2	CU	1800		10	78.0	73.0	78	030	15	060	03	06	1.15	79.0
1,000	19.3	1410	•2	CU	1800		10	79.0	72.0	72	030	15	060	03	06	1.15	79.0
3100	17.3	63.32	•3	CU	1800		10	81.0	73.0) 68	030	16	060	03	06	1.15	79.0
1200	19.4	6225	•4	CU/AC	2500		10	81.0	73.0	68	060	15	060	03	06	1.15	79.0
1,100	19.4	62.15	-4	CU/AC	2500		10	81.0	73.0	68	060	15	060	03	06	1.00	79.0
1400	19.5	162.5	•5=	CU/AC	2000		10	80.0	72.5	70	050	14	060	04;	06	1.00	79.0
1500	19/6	61.54	•3	Cu/AC	2500		10	81.0	72.0	66	065	17	060	04	06	1.00	79.0
1600	19.7	61.43	•3	CU /AC	2500		10	80.0	72.0	68	060	17	060	04	06	1.00	79.0
1700	19.7	61.32	. 2	CU	2500		10	80.0	72.0	68	060	17	060	04	06	1.00	79.0
1800	19.8	11.21	.6	CU	2500	10		80.0	72.0	68	OLILI	16	060	04	06	1.00	79.0

DATE 11 OCTOBER 1964 (W)

	SHE MINISTERNATION	estimation is risitly of 2004	Commence charge	Name and Address of the Owner, where the Owner, which is	and the same of th						LITTER	0130	CTA	CTRY & FORE			
			S	A PRODUCTION OF THE PERSON NAMED IN PORT OF THE PERSON NAM	Characteristics and an artist of the last			L	RATURE		WARL	SFC.	Tananco standardo	STATE HEL-	d descriptions	OZONE	SEA
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190	100	I The second second	.7	cu	2000		10	80.0	72.0	68	070	11	060	04	06	1.00	79.0
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210			.6	CU	2000		10	80.0	72.0	68	070	11	060	04	06	1.00	79.0
220	o		•5	CU	2000		10	80.0	72.0	68	070	10	060	04	06	1.00	79.0
230	0		•4	CU	1800		10	80.0	72.0	68	070	13	060	04	06	1.00	79.0
240		The same of the sa	.l	CU	2200		10	79.0	70.0	63	070	16	060	04	06	1.00	79.0

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
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DATE 11 Oct GH

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
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1000		.1	CU	2200		10	79.0	70.0	64	060	14	060	04	06	1.00	79.0
	160.1	.6	CU/AC	2000		10	78.0	72.0	75	050	10	060	04	06	1.00	79.0
20.5	54,50	•2	CU	2200		10	78.0	69.0	63	060	15	060	04	06	1.00	79.0
20,3			CU	2200		10	78.0	69.0	63	060	12	060	Oft	06	1.00	79.0
20.3	5730	.2	CU	2200		10	77.0	68.0	63	050	9	060	OH	06	1.00	79.0
20,4			CU	2200		10	77.0	68.0	63	054	10	060	04	06	1.00	79.
4. مد	59.10	•3	CU	2200		10	77.0	68.0	63	050	10	060	OL	06	1.10	79.0
20.5	159.4	•2	CU	2000		10	77.0	69.2	67	080	8	060	02	06	1.10	78.0
20,5	59.4	.2	CU	2000		10	79.0	70.0	64	080	9	060	02	06	1.15	78.0
20.5	54,4	.1	CU	2000		10	79.0	70.0	66	075	8	060	03	06	1.15	78.0
mn 120.5	4	.1	CU	2000		10	78.2	70.0	66	070	10	060	03	06	1.35	78.0
20,5	57,4	.1	CU	2000		10	77.8	69.5	66	084	7	060	03	06	1.35	78.0
20.5	54.4	.1	CU	2000		10	77.8	70.5	70	094	8	060	03	06	1.35	78.0
20.5	59.4	.1	CU	2000		10	78.2	70.8	69	100	13	060	03	06	1.35	78.0
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SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA CLIMATOLOGICAL DATA

DATE 12 Oct 64

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
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REMARKS:

NOTES ON "STARBRITE" CRUISE FOR OCTOBER 1964

The USS GRANVILLE S.HALL departed Pearl Herbor at 0830 Monday 28 September 1964 with a small contingent of SHAD personnel. One Officer, four Chief Petty Officers and thirteen other enlisted filled out our complement. We met with nothing but good weather, interspersed with fairly occasional rain squalls throughout the voyage, and the warm semi-tropic sum of the Central Pacific erased many cases of "Pearl Harbor pallor."

The main purpose of the voyage, Avian Observation, was excellently fulfilled. Coefficient collecting was well below usual in the case of USS G.S. HALL's previous records. Roughly sixty six percent of specimens brought down were recovered. Three new and unusual specimens were recovered, and many news ones sighted. We were well aquainted with the Team Leader of the Ornithologists, and good rapport was soon established with the newcomers. The Ichthyologists were slower fitting in, mainly because of bizarre hair-dos. Later, they proved to be good mixers, despite the "Beatlish" appearances. The Captain, Chief Walsh and SN Charley Noteboom aided in the collecting with their excellent marksmanship. The whaleboat was lowered only once during the trip, in order to recover a Great Frigate Bird which was collected simultaneously with a smaller bird. The water was never too rough for smallboat operations, but it was felt that time could be saved by "alongside net recovery".

For the first week, the ship was stopped daily at 0700,1300,1900 and 0100 for bathythermograph drops, but a welcome accident to the bathythermograph halted all BT drops. Welcome because of the cessation of nightly hour long rumbling and clank ing of the dropping winch directly over the crows berthing spaces. Plankton and MP water samples were collected until we departed the grid. Plankton specimens were placed on view with a microscope to aquaint interested members of the crow and aided the crew in understanding the mission.

SHAD personnel spent the time at sea in maintenance work, painting and many drills which interrupted a continuous program. While at sea, all hands aired bedding and washed bunk bottoms where applicable. The SHAD personnel were required to shine up the lockers of the Shore Detachment but were excused from washing up the latter's bunk bottoms. Almost daily bailing parties were organized because of leaks and rupturing pipes. The air-conditioner in area "W" went out of commission five days after sailing because of faulty pipe installation. The air-conditioners in the DaMineralizer Room furnishing cool air to the Ward Room went out twice. Valiga, Griffin and Feldman were kept hopping. Feldman also welded up many brackets throughout SHAD spaces and spent much time in rectifying deficient "Fire" and other "General Quarters" Bills. DC) Martin, before being evacuated to Johnston Island was unable to find any Hull Report forms, and seemed also unaware of the method of making the Hull Report. It is expected that there will be no recurrence. In fact, there is a "peel" on its

The Collecting Tanks in Number Two Held were pumped out with some of Ship's Company participating. Chief Walsh also instructed all Field Crew personnel of SHAD in the procedure. HMl Thornhill has inoculated collected specimens of the tank sawage into Thioglycollate Broth.

The Ornithologists were aided by SHAD personnel in the Avian Census, England being especially sharp-eyed. Gordon, Valiga, Griffin, Jenkins and Peacock also assisted. Namy fish were caught from the fan tail and sometimes there were from five to seven fish hooked at one time; most of them were lost in landing attempts. However, The CO, Chief Zelaney and DC3 Popielak were recognized as the champion anglers. The fish caught were Mahi-mahi, Albacore and King Mackerel.

For recreation the men played cards, cricbage, "Risk", Bingo, World Series
Baseball Pools and sunbathing besides fishing. Many paperbacks were well worn
from constant trading. A rigid system of bedding down shortly after 2200 was
rigidly enforced by the First Lieutenant. There was general compliance accompanied
by great grumbling.

The ballast tanks in Number Ome Hold Clouded once, but damage was controlled effectively by combined SHAD and Ship's Company personnel.

One day we raised a dead whale of monstrous proportions, being devoured by many sharks (twenty three were counted from the bridge) and the whale acted as a platform for a host of sea birds. These were eyed avidly, but shooting them would have been useless—sharks would have collected them before we could reach them. Never—the-less we made three passes at the shale and it broke the monotony of the day.

About the third day out a garbled radiogram ordered us to transfer the man with the broken hand back to Tripler. There was four people with broken hands. Finally clarification resulted in DC Martin being vacuates at Johnston Island for further transfer to Tripler.

The message about Chief Tooney caddened all of us and caused speculation about who would replace him; the governi concensus is that WOL CARR is the most suitable candidate.

while at sea several lots of accumulated track was conveniently removed from the ship, especially a bucket of old steel slugs which were used on the fantail to discourage any bird which showed a propensity to fly forward toward the bow and become a target for the ornithologists. This was done only after we started back to Pearl Harbor on leaving the Grid.

The uniform at sea was usually shorts, undershirts and zoris, with Clubb, Mirts, Goke, Thornhill and Griffin remaining non-conformists. While Walsh was busy teaching all hands the intricacies of acey-deucey, Feldman was busy cutting off and hemming trousers legs.

In general the Meteorological Department was too busy furnishing "good weather" to get with the sports progrem.

Finally, at 1500 with Mr. Tait on the Con, we raised Papa Hotel and started more or less reluctantly back to dirt, heatynoise, calamity, confrontation and confusion.

-2-